VPDES PERMIT PROGRAM FACT SHEET

FILE NO:

This document gives pertinent information concerning the VPDES Permit listed below. This permit is being processed as a **MINOR INDUSTRIAL** permit.

1. **PERMIT NO.**: VA0057576 **EXPIRATION DATE**: December 4, 2011

2. **FACILITY NAME AND LOCAL MAILING ADDRESS**

Dominion Terminal Associates LLP
600 Harbor Road
Newport News, VA 23607

FACILITY LOCATION ADDRESS (IF DIFFERENT)

Harbor Rd, Pier 11
Newport News, VA 23607

CONTACT AT FACILITY:
NAME: Wesley Simon-Parsons
TITLE: Engineer
PHONE: (757)245-2275

CONTACT AT LOCATION ADDRESS
NAME: INSERT MODE
TITLE: INSERT MODE
PHONE: ( )

3. **OWNER CONTACT**: (TO RECEIVE PERMIT)
NAME: Mr. Rick Cole
TITLE: President & COO
COMPANY NAME: (IF DIFFERENT)
ADDRESS:

PHONE: ( )

CONSULTANT CONTACT:
NAME:
FIRM NAME:
ADDRESS:

PHONE: ( )

4. **PERMIT DRAFTED BY**: DEQ, Water Permits, Regional Office

Permit Writer(s): Debra L. Thompson Date(s): 6/1/11
Reviewed By: Sauer Date(s): 8/10/11

5. **PERMIT ACTION:**

( ) Issuance (X) Reissuance ( ) Revoke & Reissue ( ) Owner Modification
( ) Board Modification ( ) Change of Ownership/Name [Effective Date:]

6. **SUMMARY OF SPECIFIC ATTACHMENTS LABELED AS:**

Attachment 1	Site Inspection Report/Memorandum
Attachment 2	Discharge Location/Topographic Map
Attachment 3	Schematic/Plans & Specs/Site Map/Water Balance
Attachment 4	TABLE I - Discharge/Outfall Description
Attachment 5	TABLE II - Effluent Monitoring/Limitations
Attachment 6	Effluent Limitations/Monitoring Rationale/Suitable Data/Antidegradation/Antibacksliding
Attachment 7	Special Conditions Rationale
Attachment 8	Toxics Monitoring/Toxics Reduction/WET Limit Rationale
Attachment 9	Material Stored
Attachment 10	Receiving Waters Info./Tier Determination/STORET Data/Stream Modeling
Attachment 11	303(d) Listed Segments
Attachment 12	TABLE III(a) and TABLE III(b) - Change Sheets
Attachment 13	NPDES Industrial Permit Rating Worksheet and EPA Permit Checklist
Attachment 14	Chronology Sheet
Attachment 15	Other Pertinent Correspondence/Information

APPLICATION COMPLETE: July 13, 2011

7. **PERMIT CHARACTERIZATION**: (Check as many as appropriate)

(X) Existing Discharge
( ) Proposed Discharge
( ) Municipal
SIC Code(s)
(X) Industrial
SIC Code(s)4491
( ) POTW
( ) PVOTW
(X) Private
( ) Federal
( ) State

( ) Publicly-Owned Industrial

(X) Effluent Limited
( ) Water Quality Limited
( ) WET Limit
( ) Interim Limits in Permit
( ) Interim Limits in Other Document
( ) Compliance Schedule Required
( ) Site Specific WQ Criteria
( ) Variance to WQ Standards
( ) Water Effects Ratio
(X) Discharge to 303(d) Listed Segment
(X) Storm Water Management Evaluation Monitoring for Toxicity Required
( ) Toxics Reduction Evaluation
(X) Storm Water Management Plan
( ) Pretreatment Program Required
( ) Possible Interstate Effect
( ) CBP Significant Dischargers List

8. **RECEIVING WATERS CLASSIFICATION**: River basin information.

Outfall No(s):001

Receiving Stream:	Hampton Roads
River Mile:	2-JMS000.55
Basin:	Lower James River
Subbasin:	NA
Section:	1
Class:	II
Special Standard(s):	a, z,bb,ESW-11
Tidal:	YES
7-Day/10-Year Low Flow:	MGD
1-Day/10-Year Low Flow:	MGD
30-Day/5-Year Low Flow:	MGD
Harmonic Mean Flow:	MGD

9. **FACILITY DESCRIPTION:** Describe the type facility from which the discharges originate.

Existing industrial discharge resulting from dust suppression runoff and storm water runoff.

10. **LICENSED OPERATOR REQUIREMENTS**: (x) No ( ) Yes Class:

11. **RELIABILITY CLASS**: Industrial Facility – NA

12. **SITE INSPECTION DATE**: July 13, 2011 **REPORT DATE**: July 14, 2011

Performed By: Debra Thompson-DEQ, Wesley Simon-Parson

SEE ATTACHMENT 1

13. **DISCHARGE(S) LOCATION DESCRIPTION**: Provide USGS Topo which indicates the discharge location, significant (large) discharger(s) to the receiving stream, water intakes, and other items of interest.

Name of Topo: Newport News-South Quadrant No.: 35B **SEE ATTACHMENT 2**

14. **ATTACH A SCHEMATIC OF THE WASTEWATER TREATMENT SYSTEM(S) [IND. & MUN.]. FOR INDUSTRIAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE PRODUCTION CYCLE(S) AND ACTIVITIES. FOR MUNICIPAL FACILITIES, PROVIDE A GENERAL DESCRIPTION OF THE TREATMENT PROVIDED.**

Treatment consists of two sedimentation ponds followed by a polishing pond with systems for polymer addition and neutralization.

SEE ATTACHMENT 3 (CAN ALSO REFERENCE TABLE I)

15. **DISCHARGE DESCRIPTION**: Describe each discharge originating from this facility.

SEE **TABLE I** (OR CAN SUBSTITUTE PAGE 2C) - **SEE ATTACHMENT 4**

16. **COMBINED TOTAL FLOW**:

TOTAL: 0.70 MGD (for public notice)

PROCESS FLOW: _____ MGD (IND.)

NONPROCESS/RAINFALL DEPENDENT FLOW: _____ (Est.)

17. **STATUTORY OR REGULATORY BASIS FOR EFFLUENT LIMITATIONS AND SPECIAL CONDITIONS**:
(Check all which are appropriate)

- X State Water Control Law
- X Clean Water Act
- X VPDES Permit Regulation (9 VAC 25-31-10 et seq.)
- X EPA NPDES Regulation (Federal Register)
- _____ EPA Effluent Guidelines (40 CFR 133 or 400 - 471)
- X Water Quality Standards (9 VAC 25-260-5 et seq.)
- _____ Wasteload Allocation from a TMDL or River Basin Plan

18. **EFFLUENT LIMITATIONS/MONITORING**: Provide all limitations and monitoring requirements being placed on each outfall.

SEE TABLE II - ATTACHMENT 5

19. **EFFLUENT LIMITATIONS/MONITORING RATIONALE**: Attach any analyses of an outfall by individual toxic parameter. As a minimum, it will include: statistics summary (number of data values, quantification level, expected value, variance, covariance, 97th percentile, and statistical method); wasteload allocation (acute, chronic and human health); effluent limitations determination; input data listing. Include all calculations used for each outfall and set of effluent limits and those used in any model(s). Include all calculations/documentation of any antidegradation or anti-backsliding issues in the development of any limitations; complete the review statements below. Provide a rationale for limiting internal waste streams and indicator pollutants. Attach chlorine mass balance calculations, if performed. Attach any additional information used to develop the limitations, including any applicable water quality standards calculations (acute, chronic and human health).

OTHER CONSIDERATIONS IN LIMITATIONS DEVELOPMENT:

VARIANCES/ALTERNATE LIMITATIONS: Provide justification or refutation rationale for requested variances or alternatives to required permit conditions/limitations. This includes, but is not limited to: waivers from testing requirements; variances from technology guidelines or water quality standards; WER/translator study consideration; variances from standard permit limits/conditions.

N/A

SUITABLE DATA: In what, if any, effluent data were considered in the establishment of effluent limitations and provide all appropriate information/calculations.

All suitable effluent data were reviewed.

ANTIDEGRADATION REVIEW: Provide all appropriate information/calculations for the antidegradation review.

The receiving stream has been classified as tier 1; therefore, no further review is needed. Permit limits have been established by determining wasteload allocations which will result in attaining and/or maintaining all water quality criteria which apply to the receiving stream, including narrative criteria. These wasteload allocations will provide for the protection and maintenance of all existing uses.

ANTIBACKSLIDING REVIEW: Indicate if antibacksliding applies to this permit and, if so, provide all appropriate information.

There are no backsliding issues to address in this permit (i.e., limits as stringent or more stringent when compared to the previous permit).
SEE ATTACHMENT 6

20. **SPECIAL CONDITIONS RATIONALE**: Provide a rationale for each of the permit's special conditions.

SEE ATTACHMENT 7

21. **TOXICS MONITORING/TOXICS REDUCTION AND WET LIMIT SPECIAL CONDITIONS RATIONALE**: Provide the justification for any toxics monitoring program and/or toxics reduction program and WET limit.

SEE ATTACHMENT 8

22. **SLUDGE DISPOSAL PLAN**: Provide a description of the sludge disposal plan (e.g., type sludge, treatment provided and disposal method). Indicate if any of the plan elements are included within the permit.

N/A

23. **MATERIAL STORED**: List the type and quantity of wastes, fluids, or pollutants being stored at this facility. Briefly describe the storage facilities and list, if any, measures taken to prevent the stored material from reaching State waters.

The materials stored on site include various types of coal, fuels, lubricants, antifreeze, acid caustic, polymer and waste oil. The coal is stored in open piles until shipped. The other materials are stored in buildings and/or contained in storage tanks.

SEE ATTACHMENT 9

24. **RECEIVING WATERS INFORMATION**: Refer to the State Water Control Board's Water Quality Standards [e.g., River Basin Section Tables (9 VAC 25-260-5 et seq.). **Use 9 VAC 25-260-140 C (introduction and numbered paragraph) to address tidal waters where fresh water standards would be applied or transitional waters where the most stringent of fresh or salt water standards would be applied.** Attach any memoranda or other information which helped to develop permit conditions (i.e. tier determinations, PReP complaints, special water quality studies, STORET data and other biological and/or chemical data, etc.

SEE ATTACHMENT 10

25 **305(b)/303(d) Listed Segments**: Indicate if the facility discharges to a segment that is listed on the current 303(d) list and, if so, provide all appropriate information/calculations.

This facility discharges directly to Hampton Roads/James River. This receiving stream segment has been listed in Category 5 of the 305(b)/303(d) list for non-attainment of PCB in fish tissue, Chlorophyll-a, benthics and Dissolved Oxygen. A TMDL has not been prepared or approved for this stream segment. The permit contains a TMDL reopener clause which will allow the it to be modified, in compliance with Section 303(d)(4) of the Act once a TMDL is approved.

Hampton Roads/James River has been listed in Category 5 of the 305(b)/303(d) list for non-attainment of Dissolved Oxygen. A TMDL was EPA approved for the Dissolved Oxygen impairment on 12/29/2010. The facility was not assigned an individual waste load allocation for TSS, TN or TP.

VA0057576 was listed in the **Chesapeake Bay TMDL** under Bay segment JMSMH as a non-significant discharger. Because an aggregated WLA exists, this permit did not receive an individual WLA. The aggregated WLA is presented as a delivered load for each of the impaired 92 Bay segments. (Appendix Q)

SEE ATTACHMENT 11

26. **CHANGES TO PERMIT**: Use **TABLE III(a)** to record any changes from the previous permit and the rationale for those changes. Use **TABLE III(b)** to record any changes made to the permit during the permit processing period and the rationale for those changes [i.e., use for comments from the applicant, VDH, EPA, other agencies and/or the public where comments resulted in changes to the permit limitations or any other changes associated with the special conditions or reporting requirements].

SEE ATTACHMENT 12

27. **NPDES INDUSTRIAL PERMIT RATING WORKSHEET: TOTAL SCORE: 43 SEE ATTACHMENT 13**

28. **DEQ PLANNING COMMENTS RECEIVED ON DRAFT PERMIT**: Document any comments received from DEQ planning.

This Facility **IS MENTIONED** in an existing Board adopted water quality management planning document.

29. **PUBLIC PARTICIPATION**: Document comments/responses received during the public participation process. If comments/responses provided, especially if they result in changes to the permit, place in the attachment.

VDH/DSS COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the Virginia Dept. of Health and the Div. of Shellfish Sanitation and noted how resolved.

The VDH reviewed the application and waived their right to comment and/or object on the adequacy of the draft permit.

The DSS has no comments on the application/draft permit.

EPA COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from the U.S. Environmental Protection Agency and noted how resolved.

EPA waived the right to comment and/or object to the adequacy of the draft permit.

ADJACENT STATE COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from an adjacent state and noted how resolved. Not Applicable.

OTHER AGENCY COMMENTS RECEIVED ON DRAFT PERMIT: Document any comments received from any other agencies (e.g., VIMS, VMRC, DGIF, etc.) and noted how resolved.

Not Applicable.

OTHER COMMENTS RECEIVED FROM RIPARIAN OWNERS/CITIZENS ON DRAFT PERMIT: Document any comments received from other sources and note how resolved.

The application and draft permit have received public notice in accordance with the VPDES Permit Regulation, and no comments were received.

PUBLIC NOTICE INFORMATION: Comment Period: Start Date **August 25, 2011**
End Date **September 24, 2011**

Persons may comment in writing or by e-mail to the DEQ on the proposed reissuance of the permit within 30 days from the date of the first notice. Address all comments to the contact person listed below. Written or e-mail comments shall include the name, address, and telephone number of the writer, and shall contain a complete, concise statement of the factual basis for comments. Only those comments received within this period will be considered. The Director of the DEQ may decide to hold a public hearing if public response is significant. Requests for public hearings shall state the reason why a hearing is requested, the nature of the issues proposed to be raised in the public hearing and a brief explanation of how the requestor's interests would be directly and adversely affected by the proposed permit action.

All pertinent information is on file and may be inspected, and arrangements made for copying by contacting Ms. Debra 1. Thompson at: Department of Environmental Quality (DEQ), Tidewater Regional Office, 5636 Southern Boulevard, Virginia Beach, VA 23462. Telephone: 757-518-2162 E-mail:debra.thompson@deq.virginia.gov

Following the comment period, the Board will make a determination regarding the proposed reissuance. This determination will become effective, unless the Director grants a public hearing. Due notice of any public hearing will be given.

30. **ADDITIONAL FACT SHEET COMMENTS/PERTINENT INFORMATION:**

No significant changes in the reissuance of this permit.

ATTACHMENT 1

SITE INSPECTION REPORT/MEMORANDUM

1-1

M E M O R A N D U M

Department of Environmental Quality
Tidewater Regional Office
5636 Southern Boulevard Virginia Beach, VA 23462

SUBJECT: Site Visit for Reissuance of VPDES Permit VA0057576
Dominion Terminal Associates, LLP
TO: File
FROM: Debra Thompson, DEQ Water Permit Writer
DATE: July 14, 2011

On Wednesday, July 13, 2011 I performed a site visit at Dominion Terminal Associates (DTA) for the reissuance of VPDES Permit No. VA0057576. The facility is a coal transportation facility which has recently submitted an application for the reissuance of the industrial stormwater permit required for stormwater associated with the industrial activity. Mr. Wesley Simon-Parsons represented DTA during the site visit. Mr. Simon-Parson and I observed the entire site with close attention to the stormwater management ponds and the mobile maintenance shop.

Mr. Simon-Parsons is relatively new to the site (2 yrs) however very knowledgeable of the operations conducted at DTA. The site is finishing up an overhaul of the rail structure and has expanded the railcar dumping facilities. The 100 acre facility has been in business since 1984. Coal is shipped for domestic and export use. DTA handles coal, petroleum coke and limestone but the primary product handled is coal. DTA holds a VPDES permit, a groundwater withdrawal permit and an air permit with DEQ.

Stormwater and coal pile dust suppression water are collected in concrete drainage ditches with weirs throughout the facility. These ditches drain to three stormwater management ponds (Pond 1, Pond 2, and Pond 3). Sedimentation occurs in Pond 1 and Pond 3. Pond 1 and Pond 3 drain to Pond 2. Neutralization occurs in Pond 2 then the stormwater is recycled for dust suppression. The discharge from the facility occurs from Pond 2 via a manual valve to the James River.

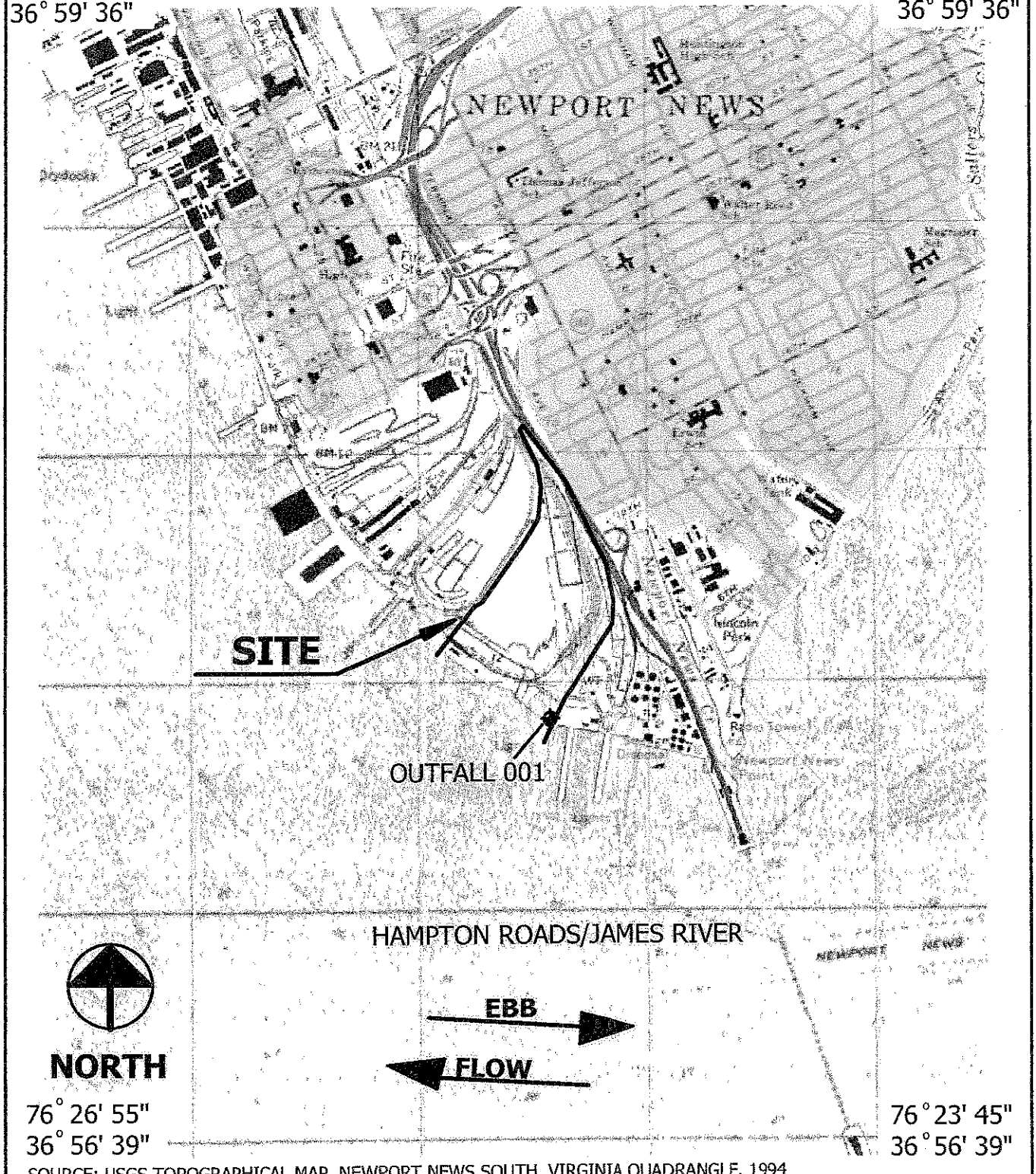
Equipment used on site includes bull dozers, front end loaders, cranes, locomotives, and trucks. The majority of maintenance on the equipment occurs at the mobile equipment maintenance shop. Used oil is collected in a sink which is connected to an aboveground storage tank. This oil is used to heat the shop during cold weather. No significant leaks or spills have occurred on-site during the past permit term

Discharges from outfall 001 occur on an as needed basis. The facility uses a Marsh McBurney flow system, where the meter is calibrated annually. Samples are collected from Pond 2 prior to discharges. Outfall 001 is in good operational condition.

ATTACHMENT 2

DISCHARGE LOCATION/TOPOGRAPHIC MAP

VA0057576 2-1



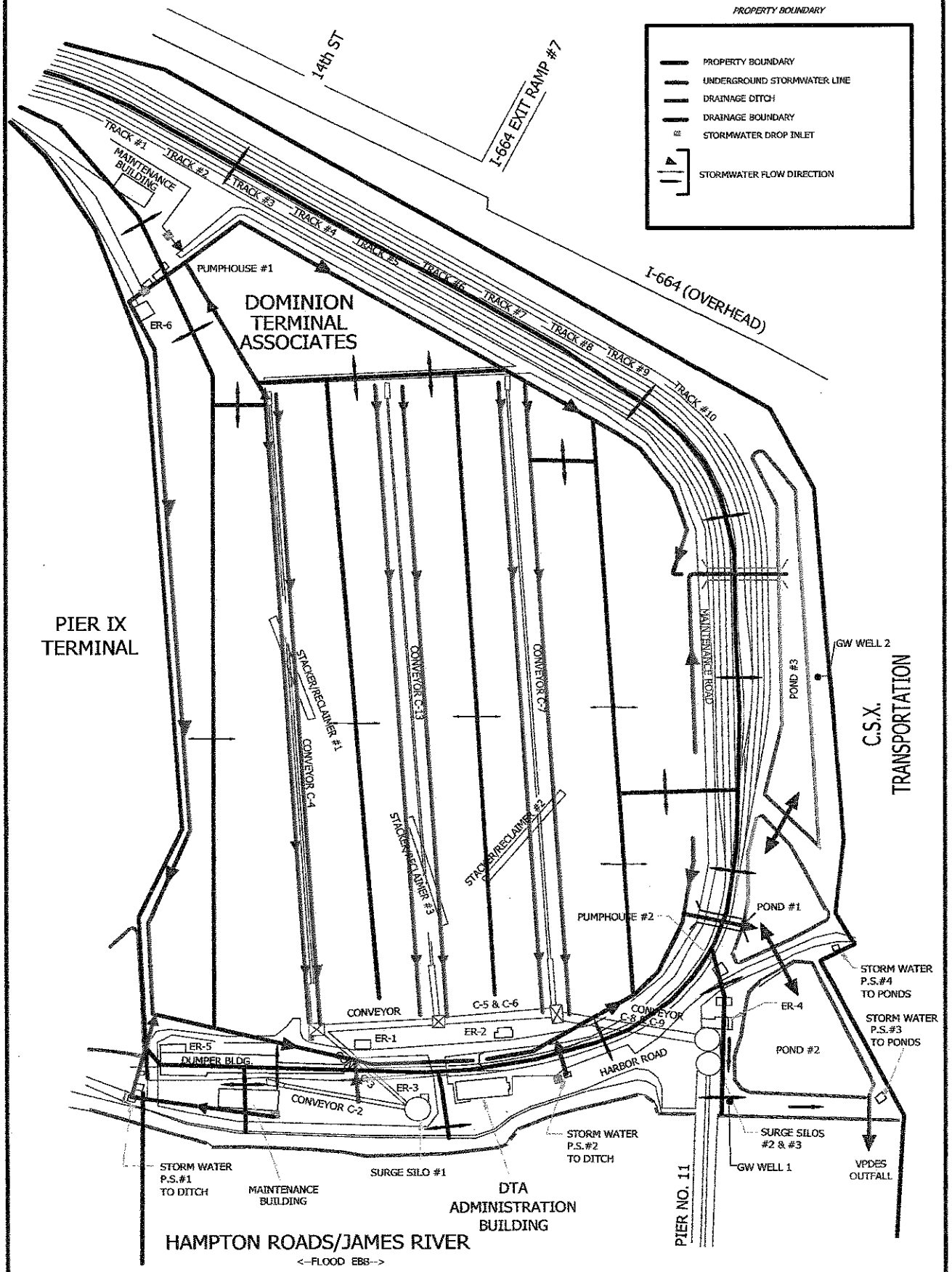
SOURCE: USGS TOPOGRAPHICAL MAP, NEWPORT NEWS SOUTH, VIRGINIA QUADRANGLE, 1994

1 in = 2,000 ft DATE: 3/28/06 BAY # 04-011 DRAWN BY: SSH	FIGURE 1: VICINITY MAP DOMINION TERMINAL ASSOCIATES NEWPORT NEWS, VIRGINIA	BAY ENVIRONMENTAL, INC. Environmental Consulting Services

ATTACHMENT 3

SCHEMATIC/PLANS & SPECS/SITE MAP/ WATER BALANCE

3-1



VA0057576

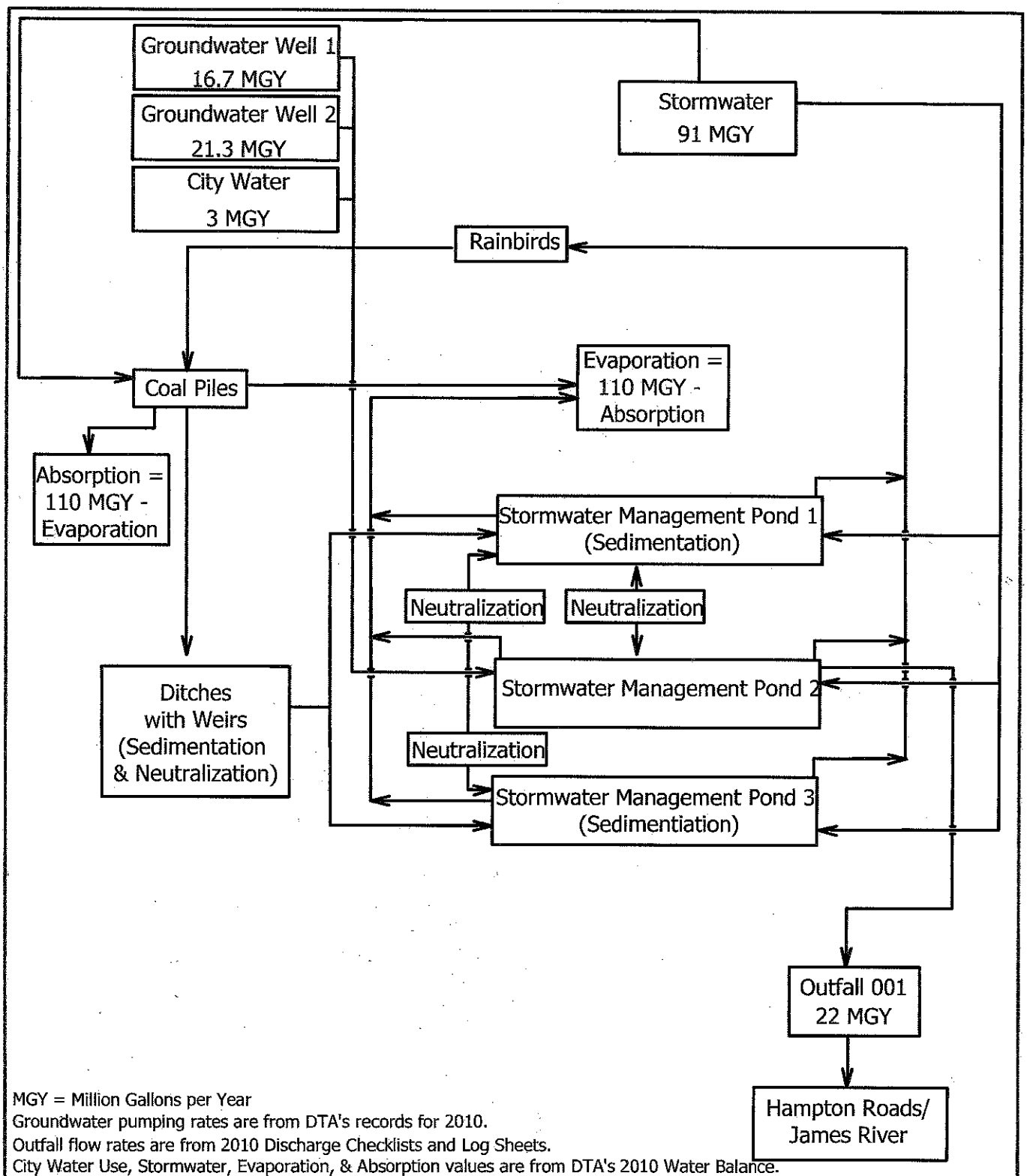
NOTE:
DRAINAGE PLAN
DATA DRAWN BY
FISHER ENVIROMENTAL
CONSULTING, P.C.
REVISED BY:
BAY ENVIRONMENTAL, INC.
NOVEMBER 2004

DRAINAGE PLAN

DOMINION TERMINAL ASSOCIATES

NEWPORT NEWS, VIRGINIA

C.K. TUDOR ENGINEERING, INC. NEWPORT NEWS, VIRGINIA			SCALE: 1"=200'	DATE: 1/21/97
DESIGNED: RDP	DRAWN BY: RDP	CHECKED BY: CKT	JOB NO.: 97-005	SHEET: 1 of 1



MGY = Million Gallons per Year
Groundwater pumping rates are from DTA's records for 2010.
Outfall flow rates are from 2010 Discharge Checklists and Log Sheets.
City Water Use, Stormwater, Evaporation, & Absorption values are from DTA's 2010 Water Balance.
Neutralization is performed at various points in the system. The line drawing shows some typical locations.

DATE: 4/13/11 BAY # 11-018-01 DRAWN BY: SSH	LINE DRAWING & ESTIMATED WATER BALANCE DOMINION TERMINAL ASSOCIATES NEWPORT NEWS, VIRGINIA	BAY ENVIRONMENTAL, INC. Environmental Consulting Services P.O. Box 2666 Chesapeake, Virginia 23327

ATTACHMENT 4

TABLE I - DISCHARGE/OUTFALL DESCRIPTION

TABLE I

NUMBER AND DESCRIPTION OF OUTFALLS

OUTFALL NO.	DISCHARGE LOCATION	DISCHARGE SOURCE (1)	TREATMENT (2)	FLOW (3)
001	36 57 30 N 076 25 15 W River Mile: 2-JMS000.55	Coal Pile dust suppression runoff combined with all other site storm water	Two sedimentation ponds followed by a polishing pond w/ chemical addition and neutralization	Approx. 70,000 gpd

(1) List operations contributing to flow
(2) Give brief description, unit by unit
(3) Give maximum 30-day average flow for industry and design flow for municipal

ATTACHMENT 5

TABLE II - EFFLUENT MONITORING/LIMITATIONS

TABLE II - INDUSTRIAL EFFLUENT LIMITATIONS/MONITORING

OUTFALL # 001
Outfall Description: storm water runoff from the entire coal facility
SIC CODE: 4491 (coal shipping facility)
(X) Final Limits ( ) Interim Limits Effective Dates - From: Effective To: Expiration

PARAMETER & UNITS	BASIS FOR LIMITS	MULTIPLIER OR PRODUCTION	EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
			MONTHLY AVERAGE	MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
Flow (MGD)	3		NL	NA	NL	1/Month	Est
pH (S.U.)	3		NA	6.0	9.0	1/Month	Grab
TSS (mg/l)	3		NA	NA	50	1/Month	Grab
Total Phosphorus (mg/l)	3,2		2.0	NA	NA	1/6Months	Grab
Total Nitrogen (mg/l) [a]	3		NL	NA	NA	1/6Months	Grab
Total Petroleum Hydrocarbons (mg/l) [a]	3		NA	NA	NL	1/6Months	Grab
Dissolved Copper (ug/l) [a]	3		NA	NA	NL	1/6Months	Grab
Dissolved Nickel (ug/l) [a]	3		NA	NA	NL	1/6Months	Grab
Dissolved Zinc (ug/l) [a]	3		NA	NA	NL	1/6Months	Grab

NA = NOT APPLICABLE; NL = NO LIMIT, MONITORING REQUIREMENT ONLY

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30); 2nd half (July 1 - December 31).

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

[a] See Parts I.B.4. and I.B.5. for quantification levels and reporting requirements, respectively.

The basis for the limitations codes are:

1. Technology (e.g., Federal Effluent Guidelines)
2. Water Quality Standards (9 VAC 25-260 et. seq.)
3. Best Professional Judgment

ATTACHMENT 6

EFFLUENT LIMITATIONS/MONITORING RATIONALE/SUITABLE DATA/ ANTIDEGRADATION/ANTIBACKSLIDING

Dominion Terminal Associates
Effluent Limitations Rationale
Outfall #001

Storm water and coal pile dust suppression water are collected in concrete drainage ditches with weirs throughout the facility. Coal pile dust suppression water can consist of a combination of groundwater, city water and recycled water from the storm water collection system. Collection ditches drain to three storm water management ponds (Pond 1, Pond 2 and Pond 3). Sedimentation occurs in Pond 1 and Pond 3. Maintenance of the ponds is a priority; all fine collected from the sedimentation ponds is returned to the coal inventory. Pond 1 and Pond 3 drain to Pond 2. Neutralization occurs in Pond 2 then the storm water can be recycled for dust suppression or discharged as storm water. The discharge from the facility occurs from Pond 2 via a manual valve to Hampton Roads which leads to the James River.

Discharges from outfall 001 occur on an as needed basis. The facility uses a Marsh Mcburney flow system, where the meter is calibrated annually. Grab samples are collected from Pond 2 prior to any discharges. Outfall 001 is in good operational condition. Below is the rationale for the parameters that are monitored/limited for Outfall #001.

Flow: No limit, monthly average and daily maximum monitoring required 1/M. The flow volume is estimated. This is standard monitoring for industrial facilities based on best professional judgment. Flow monitoring should be monitored at the same frequency as the most-frequent monitored parameter which is 1/M (i.e. pH, and TSS).

pH: 6.0 s.u. minimum, 9.0 s.u. maximum limits, 1/M monitoring by a grab sample. Monitoring is in accordance with best professional judgment and for the protection of water quality.

Total Suspended Solids: 50 mg/l daily maximum, 1/Month by a grab sample. The limit is included based on best professional judgment and even though this facility is not listed as a SW Sector covered in the GP, the activity of coal storage is similar to "steam electric" plants with a TSS limit of 50 mg/l. Permit manual and BPJ.

Total Phosphorus: Limit of 2.0 mg/l monthly average, 1/6 months monitoring by a grab sample; basis for this limit are the Regulation for Nutrient Enriched Waters (9VAC 25-260-330), antidegradation regulation 9 VAC 25-260-30 and antibacksliding regulation 9 VAC 25-31-320, best professional judgment and determination of compliance with the permit.

Total Nitrogen: No limit, monthly average, 1/6 months monitoring by a grab sample; basis for this monitoring are the Regulation for Nutrient Enriched Waters and best professional judgment. Collection of data will allow evaluation of possible impact of the discharge on the receiving stream and determination of compliance with the permit.

Total Petroleum Hydrocarbons: No limit, daily maximum, 1/6 months monitoring by a grab sample. Basis for this monitoring is best professional judgment. This monitoring is consistent with other coal storage facilities and collection of data will allow evaluation of possible impact of the discharge on the receiving stream and determination of compliance with the permit.

Dissolved Copper, Nickel and Zinc: No limit, daily maximum, 1/6 months monitoring by a grab sample; basis for this monitoring is best professional judgment. Collection of data will allow evaluation of possible impact of the discharge on the receiving stream and determination of compliance with the permit.

Guidance Memo 96-001 recommends that chemical water quality-based limits not be placed on storm water outfalls at this time because the methodology for developing limits and the proper method of sampling is still a concern and under review by EPA. Therefore, in the interim, screening criteria have been established at 2 times the acute criteria. These criteria are applied solely to identify those pollutants that should be given special emphasis during development of the Storm Water Pollution Prevention Plan (SWPPP). Any storm water outfall data (pollutant specific) submitted by the permittee which were above the established screening criteria levels requires monitoring in Part I.A. of the permit for that specific outfall and pollutant. Based on the above, screening criteria and monitoring were established for copper, nickel, and zinc (see table below). In addition, toxicity screening is required for the same outfall.

The SWPPP required by Part I.C.4. of this permit is designed to reduce pollutants in storm water runoff. Semi-annual monitoring for the above noted pollutants and annual toxicity screening is recommended. Pollutant specific monitoring results above the screening criteria or toxicity screening which results in an LC50 of less than 100% effluent, do not indicate unacceptable values; however, they do justify the need to reexamine the effectiveness of the SWPPP and any best management practices (BMPs) being utilized. The goal of the SWPPP is to reduce pollutants, especially those identified by the application of the screening criteria, including toxicity, to the maximum extent practicable. An annual report is to be submitted to the Regional office and shall include the data collected the previous year with an indication if the SWPPP or any BMPs were modified based on the monitoring results.

OUTFALL 001											
Parameter	**Monitoring Data (ug/l)**										**2x's Acute Criterion**
Dis Cu	8	16	<7	171	4	<3.7	<QL	0.003	<QL	<QL	32.6
Dis Ni	22	38	26	22	<30	103	0.124	65	0.020		148
Dis Zn	<52	<52	<52	<52	147	<36	88	0.108	66		180

SALT WATER

COPPER
Salt Water Acute Criterion = 16.3 ug/l
SC = 16.3 X 2 = 32.6 = 33 ug/l

NICKEL
Salt Water Acute Criterion = 74 ug/l
SC = 74 X 2 = 148 ug/l

ZINC
Salt Water Acute Criterion = 90 ug/l
SC = 90 X 2 = 180 ug/l

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	SALTWATER CRITERIA (SW)		OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC			ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
METALS													
Antimony			4300										
Arsenic													
Arsenic III	69	36											
Barium													
Cadmium	43	9.3											
Chromium III													
Chromium VI	1100	50											
Copper	5.9	3.8											
Iron													
Lead	240	9.3											
Manganese													
Mercury	2.1	.025	.053										
Nickel	75	8.3	4600										
Selenium	300	71	11000										
Silver	2.3												
Zinc	95	86											
PESTICIDES/PCB'S													
Aldrin	1.3	.13	.0014										
Chlordane	.09	.004	.0059										

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	SALTWATER CRITERIA (SW)		OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC			ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
Chlorpyrifos (Dursban)	.011	.0056											
DDD			.0084										
DDE			.0059										
DDT	.13	.001	.0059										
Demeton		.1											
2,4-dichloro-phenoxy acetic acid (2,4-D)													
Dieldrin	.71	.0019	.0014										
Endosulfan	.034	.0087	240										
Endrin	.037	.0023	.81										
Guthion		.01											
Heptachlor	.053	.0036	.0021										
Hexachloro-cyclohexane (Lindane)	.16	.01	25										
Kepone		0											
Malathion		.1											
Methoxychlor		.03											
Mirex		0											
Parathion													
PCB-1242		.03	.00045										
PCB-1254		.03	.00045										
PCB-1221		.03	.00045										
PCB-1232		.03	.00045										

All values in ug/l unless otherwise noted.

PARAMETER	SALTWATER CRITERIA (SW)		OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC			ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
PCB-1248		.03	.00045										
PCB-1260		.03	.00045										
PCB-1016		.03	.00045										
Toxaphene	.21	.0002	.0075										
2-(2,4,5-Trichlor-phenoxy) propionic acid (Silvex)													
BASE NEUTRAL EXTRACTABLES													
Acenaphthene			2700										
Anthracene			110000										
Benzo(a) anthracene			.49										
Benzo(b) fluoranthene			.49										
Benzo(k) fluoranthene			.49										
Benzo(a)pyrene			.49										
Butyl benzyl phthalate			5200										
Chrysene			.49										
Dibenz(a,h) anthracene			.49										
Dibutyl phthalate			12000										
1,2-Dichloro-benzene			17000										

ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	SALTWATER CRITERIA (SW)		OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC			ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
1,3-Dichloro-benzene			2600										
1,4-Dichloro-benzene			2600										
Diethyl phthalate			120000										
Di-2-Ethylhexyl phthalate			59										
2,4-Dinitro-toluene			91										
Fluoranthene			370										
Fluorene			14000										
Indeno (1,2,3-cd) pyrene			.49										
Isophorone			490000										
Nitrobenzene			1900										
Pyrene			11000										
1,2,4 Trichloro-benzene			950										
VOLATILES													
Benzene			710										
Bromoform			3600										
Carbon Tetrachloride			45										
Chlorodibromo-methane			57000										
Chloroform			4700										

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ANTIDEGRADATION CALCULATIONS/BASELINES

All values in ug/l unless otherwise noted.

PARAMETER	SALTWATER CRITERIA (SW)		OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC			ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
Dichloromethane			16000										
Dichlorobromo-methane			460										
1,2-Dichloro-ethane			990.										
1,1-Dichloro-ethylene			17000										
Ethylbenzene			29000										
Monochlorobenzene			21000										
Tetrachloro-ethylene			3500										
Toluene			200000										
Trichloro-ethylene			810										
Vinyl Chloride			5300										
ACIDS EXTRACTABLES													
2-Chlorophenol			400										
2,4 Dichlorophenol			790										
2,4 Dimethylphenol			2300										
Pentachloro-phenol	13	7.9	82										
Phenol			4600000										
2,4,6-Trichloro-phenol			65										

All values in ug/l unless otherwise noted.

PARAMETER	SALTWATER CRITERIA (SW)		OTHER SURFACE WATERS CRITERIA	INSTREAM BACKGROUND DATA (Expected Value*)	ANTIDEGRADATION BASELINE			WATER QUALITY WASTE LOAD ALLOCATION (WQ-WLA)			ANTIDEGRADATION WASTE LOAD ALLOCATION (AD-WLA)		
	ACUTE	CHRONIC			ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH	ACUTE	CHRONIC	HUMAN HEALTH
MISCELLANEOUS													
Ammonia (as NH3-N)	**	**											
Chlorides													
Chlorine, Total Residual	13	7.5											
Cyanide	1	1	215000										
Dioxin			1.2(2)										
Fecal Coliform (N/CML)													
Foaming Agents (as MBAS)													
Hydrogen Sulfide		2											
Nitrate													
Sulfate													
Total Dissolved Solids													
Tributyltin	.36	.001											

* -- The expected value is calculated by the WLA computer model.

** -- See ammonia tables in the Water Quality Standards

EXAMPLE: SALT WATER

Zinc WQSa = 95 ug/l WQSc = 86 ug/l WQSh = NA Background (expected value)= 15 ug/l

Unused capacity

acute = 95 - 15 = 80

chronic = 86 - 15 = 71

AD BASELINE

Acute & Chronic = 25% (WQ Standard - Instream Background) + Instream Background

Acute = 0.25(95 - 15) + 15 or 0.25(80) + 15 = 35

Chronic = 0.25(86 - 15) + 15 or 0.25(71) + 15 = 32.75

Human Health = 10% (WQ Standard - Instream Background) + Instream Background

Human Health = NA

WASTE LOAD ALLOCATIONS

WQ-WLAa = (2 X WQSa) - background = (2 X 95) - 15 = 175

WQ-WLAc = (50 X WQSc) - (49 X background) = (50 X 86) - (49 X 15) = 3565

WQ-WLAh = NA

AD-WLAa = (50 X 35) - 15 = 1735

AD-WLAc = (50 X 32.75) - 15 = 1622.5

AD-WLAh = NA

NOTES: The most stringent WLAs (WQ-WLAa, 175; AD-WLAc, 1622.5) are used in the computer model for determination of limits.

When calculating the AD-WLA for saltwater discharges, use 50 times the acute, chronic and human health standards as antidegradation applies outside the mixing zones.

ATTACHMENT 7

SPECIAL CONDITIONS RATIONALE

VPDES PERMIT PROGRAM
LIST OF SPECIAL CONDITIONS RATIONALE

Name of Condition:

B. OTHER REQUIREMENTS OR SPECIAL CONDITIONS

1.a. Water Quality Standards Reopener

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-220 D requires effluent limitations to be established which will contribute to the attainment or maintenance of water quality criteria.

1.b. Nutrient Enriched Waters Reopener

Rationale: The Policy for Nutrient Enriched Waters, 9 VAC 25-40 -10 allows reopening of permits for discharges into waters designated as nutrient enriched if total phosphorus and total nitrogen in a discharge potentially exceed specified concentrations. The policy also anticipates that future total phosphorus and total nitrogen limits may be needed.

1.c. Total Maximum Daily Load (TMDL) Reopener

Rationale: For specified waters, Section 303(d) of the Clean Water Act requires the development of total maximum daily loads necessary to achieve the applicable water quality standards. The TMDL must take into account seasonal variations and a margin of safety. In addition, Section 62.1-44.19:7 of the State Water Control Law requires the development and implementation of plans to address impaired waters, including TMDLs. This condition allows for the permit to be either modified or, alternatively, revoked and reissued to incorporate the requirements of a TMDL once it is developed. In addition, the reopener recognizes that, in according to Section 402(o)(1) of the Clean Water Act, limits and/or conditions may be either more or less stringent than those contained in this permit. Specifically, they can be relaxed if they are the result of a TMDL, basin plan or other wasteload allocation prepared under Section 303 of the Act.

2. Operations & Maintenance (O & M) Manual

Rationale: The State Water Control Law, Section 62.1-44.21 allows requests for any information necessary to determine the effect of the discharge on State waters. Section 401 of the Clean Water Act requires the permittee to provide opportunity for the state to review the proposed operations of the facility. In addition, 40 CFR 122.41 (e) requires the permittee, at all times, to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) in order to achieve compliance with the permit (includes laboratory controls and QA/QC).

3. Notification Levels

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-200 and 40 CFR 122.42 (a) require notification of the discharge of certain parameters at or above specific concentrations for existing manufacturing, commercial mining and silvicultural discharges.

4. Quantification Levels Under Part I.A.

Rationale: States are authorized to establish monitoring methods and procedures to compile and analyze data on water quality, as per 40 CFR part 130, Water Quality Planning and Management, subpart 130.4. Section b. of the special condition defines QL and is included per BPJ to clarify the difference between QL and MDL.

5. Compliance Reporting Under Part I.A.

Rationale: Defines reporting requirements for toxic parameters and some conventional parameters with quantification levels to ensure consistent, accurate reporting on submitted reports.

6. Materials Handling and Storage

Rationale: The VPDES Permit Regulation, 9 VAC 25-31-50 A., prohibits the discharge of any wastes into State waters unless authorized by permit. The State Water Control Law, Sec. 62.1-44.18:2, authorizes the Board to prohibit any waste discharge which would threaten public health or safety, interfere with or be incompatible with treatment works or water use. Section 301 of the Clean Water Act prohibits the discharge of any pollutant unless it complies with specific sections of the Act.

7. Minimum Freeboard -

Rationale: Minimize the discharge of untreated wastewater to the groundwater or surface waters.

C. STORM WATER MANAGEMENT CONDITIONS

1. Sampling Methodology for Specific Outfall 001

Rationale: Defines methodology for collecting representative effluent samples in conformance with applicable regulations.

2. Storm Water Management Evaluation

Rationale: The Clean Water Act 402(p) (2) (B) requires permits for storm water discharges associated with industrial activity. VPDES permits for storm water discharges must establish BAT/BCT requirements in accordance with 402(p)(3) of the Act. The Storm Water Pollution Prevention Plan is the vehicle proposed by EPA in the final NPDES General Permits for Storm Water Discharges Associated with Industrial Activity (Federal Register Sept 9, 1992) to meet the requirements of the Act. Additionally, the VPDES Permit Regulation, 9 VAC 25-31-220 K., and 40 CFR 122.44 (k) allow BMPs for the control of toxic pollutants listed in Section 307 (a)(1), and hazardous substances listed in Section 311 of the Clean Water Act where numeric limits are infeasible or BMPs are needed to accomplish the purpose/intent of the law.

Finally, the EPA produced a document dated August 1, 1996, entitled "Interim Permitting Approach for Water Quality- Effluent Limitations in Storm Water Permits". This document indicated that an interim approach to limiting storm water could be through the use of best management practices rather than numerical limits. EPA pointed out that Section 502 of the Clean Water Act (CWA) defined "effluent limitation" to mean "any restriction on quantities, rates, and concentrations of constituents discharged from point sources. The CWA does not say that effluent limitations need be numeric." The use of BMPs falls in line with the Clean Water Act which notes the need to control these discharges to the maximum extent necessary to mitigate impacts on water quality.

3. General Storm Water Conditions

a. Sample Type

Rationale: This stipulates the proper sampling methodology for qualifying rain events from regulated storm water outfalls. Use of this condition is a BPJ determination based on the EPA storm water

multi-sector general permit for industrial activities and is consistent with that permit.

b. Recording of Results

Rationale: This sets forth the information which must be recorded and reported for each storm event sampling (ie. date and duration event, rainfall measurement, and duration between qualifying events). It also requires the maintenance of daily rainfall logs which are to be reported. This condition is carried over from the previous storm water pollution prevention plan requirements contained in the EPA storm water baseline industrial general permit.

c. Sampling Waiver

Rationale: This condition allows the permittee to collect substitute samples of qualifying storm events in the event of adverse climatic conditions. Use of this condition is a BPJ determination based on the EPA storm water multi-sector general permit for industrial activities and is consistent with that permit.

d. Representative Discharge

Rationale: This condition allows the permittee to submit the results of sampling from one outfall as representative of other similar outfalls, provided the permittee can demonstrate that the outfalls are substantially identical. Use of this condition is a BPJ determination based on the EPA storm water multi-sector general permit for industrial activities and is consistent with that permit.

e. Quarterly Visual Examination of Storm Water Quality

Rationale: This condition requires that visual examinations of storm water outfalls take place at a specified frequency and sets forth what information needs to be checked and documented. These examinations assist with the evaluation of the pollution prevention plan by providing a simple, low cost means of assessing the quality of storm water discharge with immediate feedback. Use of this condition is a BPJ determination based on the EPA storm water multi-sector general permit for industrial activities and is consistent with that permit.

f. Releases of Hazardous Substances or Oil in Excess of Reportable Quantities

Rationale: This condition requires that the discharge of hazardous substances or oil from a facility be eliminated or minimized in accordance with the facility's storm water pollution prevention plan. If there is a discharge of a material in excess of a reportable quantity, it establishes the reporting requirements in accordance with state laws and federal regulations. In addition, the pollution prevention plan for the facility must be reviewed and revised as necessary to prevent a reoccurrence of the spill. Use of this condition is a BPJ determination based on the EPA storm water multi-sector general permit for industrial activities and is consistent with that permit.

g. Allowable Non-Storm Water Discharges

Rationale: The listed allowable non-storm water discharges are the same as those allowed by the EPA in their multi-sector general permit, and are the same non-storm water discharges allowed under the Virginia General VPDES Permit for Discharges of Storm Water Associated with

Industrial Activity, 9 VAC 25-151-10 et seq. Allowing the same non-storm water discharges in VPDES individual permits provides consistency with other storm water permits for industrial facilities. The non-storm water discharges must meet the conditions in the permit.

4. Storm Water Pollution Prevention Plan

Rationale: The Clean Water Act 402(p) (2) (B) requires permits for storm water discharges associated with industrial activity. VPDES permits for storm water discharges must establish BAT/BCT requirements in accordance with 402(p)(3) of the Act. The Storm Water Pollution Prevention Plan is the vehicle proposed by EPA in the final NPDES General Permits for Storm Water Discharges Associated with Industrial Activity (Federal Register Sept 9, 1992) to meet the requirements of the Act. Additionally, the VPDES Permit Regulation, 9 VAC 25-31-220 K., and 40 CFR 122.44 (k) allow BMPs for the control of toxic pollutants listed in Section 307 (a)(1), and hazardous substances listed in Section 311 of the Clean Water Act where numeric limits are infeasible or BMPs are needed to accomplish the purpose/intent of the law.

ATTACHMENT 8

TOXICS MONITORING/TOXICS REDUCTION/ WET LIMIT RATIONALE

8-1

MEMORANDUM

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard Virginia Beach, VA 23462

SUBJECT: Toxics Management Program (TMP) testing for DTA (VA0057576)

TO: Debbie Thompson

FROM: Deanna Austin

DATE: 7/28/11

COPIES:

Dominion Terminal Associates is a coal transportation facility. Coal is shipped by sea vessel for both domestic and export use. The facility can also handle petroleum coke and limestone but mostly handles coal.

There is one permitted outfall, 001, that discharges coal pile dust suppression, wash down water, and stormwater runoff. There are a series of settling ponds prior to the outfall. All water flows into a ditching system and into the ponds prior to discharge.

During the most recent permit term, the facility monitored *Americamysis bahia* (A.b.) for acute toxicity on an annual basis from outfall 001. The data received from this testing is shown below. There have been no issues with toxicity during the most recent permit term. Based upon the nature of the operation and the potential for toxicity issues, it is proposed that no changes be made to the current toxicity testing program for the facility. Toxicity testing will remain under the Stormwater Management Evaluation section of the permit.

OUTFALL	DESCRIPT	SPECIES	SAMPLEDT	LC50	SURVIVAL	TU	LAB
001	Annual SW Acute	A.b.	7/30/07	100	100	1	CBI
001	Annual SW Acute	A.b.	1/10/08	100	100	1	CBI
001	Annual SW Acute	A.b.	1/5/09	100	100	1	CBI
001	Annual SW Acute	A.b.	2/4/10	100	80	1	CBI

A.b. - *Americamysis bahia*

The following TMP language is recommended for the reissuance of the DTA permit (VA0057576).

C. STORM WATER MANAGEMENT CONDITIONS

1. Sampling Methodology for Specific Outfall 001

The following shall be required when obtaining samples required by Part I.A. of this permit:

a. At the time of sampling, the permittee shall ensure that the effects of tidal influences are kept to an absolute minimum. This can be achieved by:

(1) Sampling at low tide and/or

(2) Sampling at a representative point which has been demonstrated to be free of tidal influences

b. In the event that sampling of an outfall is not possible due to the absence of effluent flow during a particular testing period, the permittee shall provide written notification to DEQ Tidewater Regional Office with the DMR for the month following the period in which samples were to be collected.

2. Storm Water Management Evaluation

The Storm Water Pollution Prevention Plan (SWP3), which is to be developed and maintained in accordance with Part I.C.4 of this permit, shall have a goal of reducing pollutants discharged at all the regulated storm water outfalls.

a. Pollutant Specific Screening

The goal shall place emphasis on reducing, to the maximum extent practicable, the following screening criteria parameters in the outfalls noted below.

OUTFALL NO.	POLLUTANTS
001	Copper, Nickel, Zinc

b. Toxicity Screening

The permittee shall conduct **annual acute toxicity tests** on the outfall noted in 2.a above using grab samples of final effluent. The acute screening test shall be a 48-hour static test using Americamysis bahia, conducted in such a manner and at sufficient dilutions for calculation of a valid LC50. The test shall be conducted on a calendar year basis with one copy of all **results and all supporting information submitted by the 10th of the month following the sampling date but no later than January 10th of each year.**

Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3

If any of the biological screening tests are invalidated, an additional test shall be conducted within thirty (30) days of notification. If there is no discharge during this 30-day period, a sample must be taken during the first qualifying discharge.

c. Sampling methodology for the noted outfalls shall be in accordance with Part I.A. and Part I.C. of this permit. **Toxicity sampling shall be conducted at the same time as the sampling for Part I.A. for each outfall.**

The permittee shall submit the following information **with the results of the toxicity tests.**

(1) The actual or estimated effluent flow at the time of the sampling.

(2) An estimate of the total volume of storm water discharged through each outfall during the discharge event.

(3) The time at which the discharge event began, the time at which the effluent was sampled, and the duration of the discharge event.

d. The effectiveness of the SWP3 will be evaluated via the required monitoring for all parameters listed in Part I.A. of this permit for the regulated storm water outfalls, including the screening criteria parameters and toxicity screening. Monitoring results which are either above the screening criteria values or, in the case of toxicity, result in an LC_{50} of less than 100% effluent, will not indicate unacceptable values. However, those results will justify the need to reexamine the effectiveness of the SWP3 and any best management practices (BMPs) being utilized for the affected outfalls. In addition, the permittee shall amend the SWP3 whenever there is a change in the facility or its operation which materially increases the potential for activities to result in a discharge of significant amounts of pollutants.

By February 10th of each year, the permittee shall submit to the DEQ Tidewater Regional Office an annual report which includes the pollutant-specific and a **summary** of the biological monitoring data from the outfalls included in this condition along with a summary of any steps taken to modify either the Plan or any BMPs based on the monitoring data.

First Annual Report Due: No later than February 10, 2013.

ATTACHMENT 9

MATERIAL STORED

Chemicals Purchased by D

This list represents products purchased, but not all items are currently stored at the facility

itemnum	category	description	unit	binnum	OH Qty
3	Non-Stock	**Items not stocked are ordered as needed, or in the case of bulk lubricants, vendor checks tank levels and tops off tanks as needed.**			
0900000001	NS	Acetone	GAL		NA
0900000003	NS	FLUID,TRANSMISSION	DRM		NA
0900000006	NS	Grease - EP0, 400#	DRM		NA
0900000007	NS	Grease,EP0-120#	PL		NA
0900000008	NS	Grease,EP2-35#	PL		NA
0900000010	NS	Lubricant, GEAR TEXACO 85/140 DRUM	DRM		NA
0900000011	NS	OIL, HYDRAULIC 46 AW	DRM		NA
0900000012	NS	OIL, RPM 10 -- DRUM	DRM		NA
0900000013	NS	OIL, RPM 15W40 -- DRUMS	DRM		NA
0900000014	NS	OIL, RPM 30W -- DRUM	DRM		NA
0900000015	NS	Oil,15W40 - Quarts	EA		NA
0900000017	NS	Oil, Spin #10 -- Drum	DRM		NA
0900000018	NS	PERFORMANCE AW32 - BULK	GAL	ST-5, 10	NA
0900000019	NS	Oil,Locomotive Engine,Zinc Free	DRM		NA
0900000020	NS	OIL,FOR:SUPER SUCKER AW68 -- DRUM	DRM		NA
0900000021	NS	OIL,FOR:SUPER SUCKER TRANSFER CASE REGAL R&O150	DRM		NA
0900000024	NS	LUBRICANT, SWITCH (ACCT #5413)	GAL		NA
0900000026	NS	LUBRICANT, WIRE ROPE	EA		NA
0900000027	NS	OIL, TRANSFORMER	DRM		NA
0900000036	NS	OMNITASK WHITMORE, EP-0, 120#	PL		NA
0900000037	NS	Omnitask, Whitmore EP-0, 400# Drum	DRM		NA
0900000038	NS	LUBE	GAL		NA
0900000039	NS	Grease 400# Texaco	DRM		NA
0900000040	NS	GREASE	PL		NA
0900000041	NS	Grease,Open Gear	EA		NA
0900000042	NS	Grease, Omnitask 400#	EA		NA
0900000044	NS	GREASE, WHITMORE EP2 120#	PL		NA
0900000045	NS	TEXACO DIESEL ENGINE OIL ZINC FREE	GAL	ST-7(13)	NA
0900000046	NS	Texaco Motor Oil 10 W - Bulk	GAL	ST-4	NA
0900000047	NS	Texaco Heavy Duty Motor Oil - 15W40 - Bulk	GAL		NA
0900000048	NS	Exxtrans 30W	GAL	ST-3	NA
0900000049	NS	Texaco Rando HD46 W/Red Dye-Bulk	GAL	ST-5	NA
0900000050	NS	Texaco Gear Lubricant 85/140 - Bulk	GAL	ST-1	NA
0900000051	NS	CUTTING FLUID, MACHINING & GRINDING (5 GALLON)	EA		NA
0900000052	NS	GREASE, OMNITASK EP0 35#	EA		NA
0900000056	NS	Rando HD46 Bulk Hydraulic oil w/ red dye	GAL	ST-10	NA
0900000057	NS	10W Spin Oil - Bulk	GAL		NA
0900000058	NS	Hydraulic Oil Bulk Performance Plus	GAL		NA
0900000059	NS	EP1 Grease 120#	EA		NA
0900000060	NS	EP2 Grease -14 Oz	EA		NA
0900000064	NS	50% Sodium Hydroxide - Bulk	GAL	ST-25	NA
0900000066	NS	25% Sodium Hydroxide in Drums	DRM		NA
0900000067	NS	25% Sodium Hydroxide in Tote Tanks	GAL		NA
0901000001	NS	UNLEADED GAS	GAL	ST-19	NA
0901000002	NS	Diesel Fuel -- Off road	GAL	ST-18	NA
0901000003	NS	Kerosene	GAL	ST-15	NA
0901000009	NS	CSDFCQC, Diesel Fuel Conditioner	CS		NA
0901000010	NS	Diesel Fuel -- On road Low sulfur	GAL	ST-24	NA
0902000002	NS	Multi Purpose Cleaner	DRM		NA
0902000003	NS	Cleaner	GAL		NA
0902000005	NS	Cleaner Aerosol All Purpose			NA
0902000006	NS	WAX, FLOOR FINISH	GAL		NA
0902000008	NS	Cleaner,Glass	EA		NA
0902000013	NS	CLEANER, SELIG	GAL		NA
0902000015	NS	CLEANER, STAINLESS	EA		NA
0902000016	NS	CLEANER, TRUCK	EA		NA

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emnum	category	description	unit	binnum	OH Qty
902000018	NS	DRESS UP, FURNITURE PROTECTANT & CONDITIONER	EA		NA
902000019	NS	DUSTDOWN	DRM		NA
902000020	NS	GALLON CAN BELZONA CLEANER DEGREASER	GAL		NA
902000024	NS	REMOVER, SPOT DRI-WHITE	EA		NA
902000025	NS	REMOVER, WAX SELIG	EA		NA
902000026	NS	SOAP, SOOTHO SELIG	DZ		NA
902000028	NS	STRIPPER, BULLY	EA		NA
902000029	NS	WAX, SOLID GOLD	GAL		NA
902000030	NS	WAX, 5-STAR, 5 GALLONS	EA		NA
902000039	NS	Microduster	EA		NA
902000040	NS	FOAM, GERMICIDAL, SELIG	EA		NA
902000042	NS	GREENKLEEN CLEANER	DRM		NA
903000001	NS	CHOCKFAST GRAY COMPOUND (LARGE SIZE)	EA		NA
903000002	NS	Anchor Bolt Epoxy Grout in 2 gal kit			NA
904000001	NS	Adhesive Capsule			NA
904000017	NS	TROWEL GRADE EPOXY FOR CERAMIC CAPS			NA
905000001	NS	DEVCON MAGIC BOND EPOXY PUTTY	EA		NA
905000002	NS	DEVCON TITANIM PUTTY	EA		NA
905000003	NS	RTV, BLACK	EA		NA
905000010	NS	Latex Pile Binding Agent (Soil Sement)	GAL	ST-16	NA
905000012	NS	EXCELATOR	EA		NA
906000001	NS	FREON	EA		NA
906000002	NS	OIL, AIR CONDITION	EA		NA
907000001	NS	GAS, PROPANE (FOR: PORTABLE HEATERS)			NA
908000001	NS	PAINT, ALUMINUM	GAL		NA
908000002	NS	PAINT, BLUE ENAMEL	GAL		NA
908000003	NS	PAINT, BLUE, OIL BASE ENAMEL	GAL		NA
908000004	NS	PAINT, DOVER GREY	GAL		NA
908000005	NS	PAINT, FLOOR, BATTLESHIP GREY	GAL		NA
908000006	NS	PAINT, RED	GAL		NA
908000008	NS	PAINT, YELLOW ENAMEL	GAL		NA
908000009	NS	PRIMER, PLASTI DIP	GAL		NA
908000010	NS	PRIMER, DUPONT			NA
908000011	NS	THINNER, DUPONT	GAL		NA
908000021	NS	TAR, COAL EPOXY PAINT BLACK, 5 GALLON	EA		NA
908000022	NS	PAINT, INTERIOR SG, SWANSDOWN	GAL		NA
908000023	NS	PAINT, LATEX SUPER WHITE	GAL		NA
908000024	NS	PAINT, ENAMEL QUICK DRY BLACK (ACCT: 6710)	EA		NA
908000025	NS	PAINT, ENAMEL QUICK DRY SAILOR BLUE (ACCT: 6810)	GAL		NA
908000026	NS	PAINT LATEX SEMI GLOSS COLOR: MATCH BLUE/UPSTAIRS	GAL		NA
908000027	NS	PAINT, CAT YELLOW AEROSOL 12 OZ	EA		NA
909000001	NS	TONER, XEROX COPIER 5028 (2/CARTON)			NA
910000006	NS	THINNER	GAL		NA
910000008	NS	SAFETY KLEEN PREMIUM SOLVENT 105	GAL		NA
911000005	NS	Antifreeze-55 Gal drum ETHYLENE GLYCOL	DRM		NA
911000007	NS	DIETHYLENE GLYCOL FREEZE PROOFING	DRM		NA
912000001	NS	Caustic Soda 680#/Drum - 50% Solution	DRM		NA
912000002	NS	Caustic Soda (700#/DRUM) - 25% Solution	DRM		NA
912000003	NS	Muriatic Acid 20 -- 31.5%	DRM		NA
912000004	NS	CAUSTIC SODA, SOLID, BEADS (500#/DRUM)	DRM		NA
912000005	NS	Beads Caustic 50# BAGS	EA		NA
912000006	NS	Briquettes, Caustic 100# BAGS	EA		NA
912000007	NS	POLYMER (PERCOL 267) (450# DRUM @ $.86/POUND)	DRM		NA
912000008	NS	WATER TREATMENT			NA
912000009	NS	SCP7100 (520#/DRUM @ $1.38/#)	DRM		NA
912000010	NS	WATER TREATMENT (601#/DRUM @ $.78/#)	DRM		NA
912000011	NS	POLYMER (520#/DRUM)	DRM		NA

emnum	category	description	unit	binnum	OH Qty
ΓK	**Stock**	**Stock items are controlled by warehouse personnel in an effort to maintain levels of stock.**			
)900000002	STK	Oil,Aircraft Hydraulic Oil 5606G	GAL	SC0001	1.00
)900000004	STK	Grease, EP-0 -- 35# Pail	PL	TFLOOR	8.00
)900000005	STK	Fluid,Transmission w/Mercon	EA	F20002	8.00
)900000025	STK	Lubricant, Chain Selig	EA	SC0002	1.00
)900000029	STK	Grease Pinion Spray Type	DRM	SC0003	5.00
)900000030	STK	Oil, Thread Cutting	EA	F10020	4.00
)900000031	STK	Oil Cutting Tap Magic	EA	F10019	6.00
)900000032	STK	Additive Gear Guard, 1 Qt.	EA	F20004	4.00
)900000033	STK	Oil 2 Cycle	EA	F20001	3.00
)900000034	STK	Lube Moly Liebherr	EA	F40024	6.00
)900000035	STK	Lubricant, Wire Pulling (1 Gallon)	EA	F50025	11.00
)900000043	STK	Zoom Spout Oiler	EA	SC0001	3.00
)900000061	STK	Electrical Coating, Scotchkote 3M, 15 oz.	EA	SC0001	1.00
)900000063	STK	Almagard, (50/Case)	EA	SC0002	1.00
)900010008	STK	Desiccant, Dry-o-Lite Air Dryer Chemical 50# Bag	EA	A10201	2.00
)900040020	STK	Loctite 510	EA	SC0003	8.00
)901000004	STK	Gas Additive	EA	SC0003	1.00
)901000005	STK	Additive Fuel Injection STP	EA	SC0003	4.00
)901000007	STK	Antifreeze, Gas Line Berkible	EA	SC0002	14.00
)902000031	STK	Battery, Protective Spray N0-C0	EA	SC0001	3.00
)902000032	STK	Cleaner, Battery N0-C0	EA	SC0002	1.00
)902000033	STK	Contact, Cleaner, CRC only (Replacement ok per GG)	EA	SC0003	45.00
)902000034	STK	Cleaner, PVC	EA	SC0001	3.00
)902000035	STK	Cleanser, Ajax	EA	A10115	5.00
)902000038	STK	Cable, Cleaner	EA	SC0002	26.00
)904000002	STK	Mega Slip	EA	SC0003	0.00
)904000003	STK	Cement, PVC	EA	SC0001	4.00
)904000004	STK	Loctite	EA	SC0003	2.00
)904000005	STK	Loctite, Threadlocker 10 ml	EA	SC0003	2.00
)904000006	STK	Loctite, 10 ml	EA	SC0003	4.00
)904000007	STK	Loctite Sealant, 50ML	EA	SC0003	1.00
)904000008	STK	Loctite (50 ml Bottle)	EA	SC0003	2.00
)904000009	STK	Loctite Quick Set Adhesive	EA	SC0003	3.00
)904000010	STK	Adhesive Form-a-gasket	EA	F10014	9.00
)904000011	STK	Adhesive, Super Weatherstrip	EA	F10013	1.00
)904000012	STK	Epoxy Devcon	EA	F10015	2.00
)904000013	STK	Bluing Prussian, Permatex	EA	SC0003	6.00
)904000014	STK	Caulk, Silicone, Clear, Caulking Gun Size	EA	F20001	8.00
)904000015	STK	Gasket Permatex Hi-Temp	EA	F10016	4.00
)904000018	STK	Locktite, Quick Metal	EA	SC0003	8.00
)904000019	STK	Loctite Removable Threadlocker	EA	SC0003	7.00
)905000004	STK	Anti-Seize, Brush On (51003 Spray)	EA	SC0001	7.00
)905000005	STK	Compound Pipe	EA	SC0001	6.00
)905000007	STK	Compound Thread w/Teflon, Loctite	EA	SC0003	2.00
)905000008	STK	Sealant Permatex	EA	SC0001	2.00
)905000009	STK	Sealant, Pneumatic & Hydraulic, Loctite	EA	SC0003	7.00
)905000011	STK	Wear Flex Brushable	EA	N50007	2.00
)905000013	STK	Wearflex, Trowelable, Mega Metal 1# Kits	EA	N40021	5.00
)908000013	STK	Fluid Bl. Layout	EA	SC0003	3.00
)908000014	STK	Paint, Spray Black	EA	SC0002	2.00
)908000015	STK	Paint,Blue Spray	EA	SC0002	6.00
)908000016	STK	Paint ,Red	EA	SC0002	1.00
)908000017	STK	Primer,Grey	EA	SC0002	0.00
)908000018	STK	Paint,Yellow Spray	EA	SC0002	6.00
)908000019	STK	Paint, Spray Flourescent Orange	EA	SC0002	11.00
)908000020	STK	Paint, White Spray	EA	SC0002	9.00
)910000001	STK	Gum Cutter	EA	SC0003	156.00
)910000002	STK	Lubricant	EA	SC0003	3.00
)910000003	STK	Lubricant	EA	SC0003	4.00
)910000004	STK	Degreaser, Electrical Blast Off	EA	SC0003	30.00

emnum	category	description	unit	binnum	OH Qty
910000005	STK	Cleaner Degreaser	EA	N30012	1.00
911000001	STK	Fluid Power Steering Radiator Specialty	EA	SC0003	6.00
911000002	STK	Fluid Starting	EA	SC0003	9.00
911000003	STK	Oil Penetrating	EA	SC0003	60.00
911000004	STK	Anti-Splatter Spray	EA	F40003	2.00

ATTACHMENT 10

RECEIVING WATERS INFO./ TIER DETERMINATION/STORET DATA/ STREAM MODELING

Planning Permit Review

Date 05/03/2011

To: Kristie Britt, TRO

Permit Writer: Debra Thompson

Facility: Dominion Terminal Associates

Permit Number: VA0057576

Issuance, Reissuance or Modification (if Modification describe): Reissuance

Permit Expiration Date: 12/4/2011

Waterbody ID (ex: VAT-G15E): VAT-G11E

Topo Name: Newport News South – 35B

Facility Address:

600 Harbor Road, Pier 11, Newport News, VA 23607

Receiving Stream: Attached are topographic maps showing facility property boundaries and outfall(s) locations for those included in this request.

Stream Name: Hampton Roads/James River	
Click here to enter text.	
Stream Data Requested? NO	
Outfall #: 001	**Lat Lon: 36'57'30" , 76'25'00"**
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.
Stream Name (2): Click here to enter text.	
Click here to enter text.	
Stream Data Requested? Click here to enter text.	
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.

If greater than 2 receiving streams or 3 outfalls per stream please provide a separate table with outfall listings and Latitude Longitude description.

Planning Review:

303 (d): Indicate Outfalls which discharge directly to an impaired (Category 5) stream segment and parameters impaired	
Discharges to impaired segment VAT-G11E_JMS03A06. See Attachment 1 for listed impairments.	
Click here to enter text.	
Tier Determination	
Tier	Tier 1 water based on benthic impairment. See Attachment 1 for listed impairments.
Tier	Click here to enter text.
Management Plan	
Is the facility Referenced in a Management Plan?	NO
Are limits contained in a Management Plan?	NO

Review will be completed in 30 days of receipt of request.

Additional Comments:

Click here to enter text.

Permit No	Facility Name	Due Date	rcvd	Parameter D	QTYAVG	QTYMAX	CONCMIN	CONCAV	CONCMAX	Reporting	Monitoring Star	Monitoring Er
VA0057576	Dominion Terminal	10-Jan-06	9-Jan-06	FLOW	0.9484	1.0197				Quarter	1-Dec-05	31-Dec-05
VA0057576	Dominion Terminal	10-Mar-06	3-Mar-06	FLOW						Quarter	1-Feb-06	28-Feb-06
VA0057576	Dominion Terminal	10-Jul-06	5-Jul-06	FLOW	0.9146	1.6312				Quarter	1-Apr-06	30-Jun-06
VA0057576	Dominion Terminal	10-Oct-06	3-Oct-06	FLOW	2.1275	3.8724				Quarter	1-Jul-06	30-Sep-06
VA0057576	Dominion Terminal	10-Feb-07	2-Feb-07	FLOW						Month	1-Jan-07	31-Jan-07
VA0057576	Dominion Terminal	10-Mar-07	5-Mar-07	FLOW						Month	1-Feb-07	28-Feb-07
VA0057576	Dominion Terminal	10-Apr-07	3-Apr-07	FLOW						Month	1-Mar-07	31-Mar-07
VA0057576	Dominion Terminal	10-May-07	4-May-07	FLOW						Month	1-Apr-07	30-Apr-07
VA0057576	Dominion Terminal	10-Jun-07	4-Jun-07	FLOW						Month	1-May-07	31-May-07
VA0057576	Dominion Terminal	10-Jul-07	5-Jul-07	FLOW						Month	1-Jun-07	30-Jun-07
VA0057576	Dominion Terminal	10-Aug-07	9-Aug-07	FLOW	2.8218	2.8218				Month	1-Jul-07	31-Jul-07
VA0057576	Dominion Terminal	10-Sep-07	10-Sep-07	FLOW						Month	1-Aug-07	31-Aug-07
VA0057576	Dominion Terminal	10-Oct-07	2-Oct-07	FLOW						Month	1-Sep-07	30-Sep-07
VA0057576	Dominion Terminal	10-Nov-07	2-Nov-07	FLOW	3.3241	3.3241				Month	1-Oct-07	31-Oct-07
VA0057576	Dominion Terminal	10-Dec-07	4-Dec-07	FLOW						Month	1-Nov-07	30-Nov-07
VA0057576	Dominion Terminal	10-Jan-08	9-Jan-08	FLOW	1.3600	1.3600				Month	1-Dec-07	31-Dec-07
VA0057576	Dominion Terminal	10-Feb-08	6-Feb-08	FLOW	0.0513	0.0513				Month	1-Jan-08	31-Jan-08
VA0057576	Dominion Terminal	10-Mar-08	4-Mar-08	FLOW	0.3473	0.3473				Month	1-Feb-08	29-Feb-08
VA0057576	Dominion Terminal	10-Apr-08	9-Apr-08	FLOW	1.7040	1.7040				Month	1-Mar-08	31-Mar-08
VA0057576	Dominion Terminal	10-May-08	6-May-08	FLOW	0.9209	0.9209				Month	1-Apr-08	30-Apr-08
VA0057576	Dominion Terminal	10-Jun-08	6-Jun-08	FLOW	0.0620	0.0620				Month	1-May-08	31-May-08
VA0057576	Dominion Terminal	10-Jul-08	2-Jul-08	FLOW						Month	1-Jun-08	30-Jun-08
VA0057576	Dominion Terminal	10-Aug-08	8-Aug-08	FLOW	0.1250	0.1250				Month	1-Jul-08	31-Jul-08
VA0057576	Dominion Terminal	10-Sep-08	8-Sep-08	FLOW	1.1614	1.1614				Month	1-Aug-08	31-Aug-08
VA0057576	Dominion Terminal	10-Oct-08	8-Oct-08	FLOW	6.3424	6.3424				Month	1-Sep-08	30-Sep-08
VA0057576	Dominion Terminal	10-Nov-08	7-Nov-08	FLOW	0.1298	0.1298				Month	1-Oct-08	31-Oct-08
VA0057576	Dominion Terminal	10-Dec-08	4-Dec-08	FLOW	0.1131	0.1131				Month	1-Nov-08	30-Nov-08
VA0057576	Dominion Terminal	10-Jan-09	9-Jan-09	FLOW	3.1610	3.1610				Month	1-Dec-08	31-Dec-08
VA0057576	Dominion Terminal	10-Feb-09	9-Feb-09	FLOW	0.0710	0.0710				Month	1-Jan-09	31-Jan-09
VA0057576	Dominion Terminal	10-Mar-09	4-Mar-09	FLOW						Month	1-Feb-09	28-Feb-09
VA0057576	Dominion Terminal	10-Apr-09	6-Apr-09	FLOW	3.7600	3.7600				Month	1-Mar-09	31-Mar-09
VA0057576	Dominion Terminal	10-May-09	8-May-09	FLOW	0.2860	0.2860				Month	1-Apr-09	30-Apr-09
VA0057576	Dominion Terminal	10-Jun-09	3-Jun-09	FLOW	1.2913	1.2913				Month	1-May-09	31-May-09
VA0057576	Dominion Terminal	10-Jul-09	9-Jul-09	FLOW	1.8950	1.8950				Month	1-Jun-09	30-Jun-09
VA0057576	Dominion Terminal	10-Aug-09	12-Aug-09	FLOW	0.0857	0.0857				Month	1-Jul-09	31-Jul-09
VA0057576	Dominion Terminal	10-Sep-09	8-Sep-09	FLOW	5.5442	5.5442				Month	1-Aug-09	31-Aug-09
VA0057576	Dominion Terminal	10-Oct-09	5-Oct-09	FLOW	8.2377	8.2377				Month	1-Sep-09	30-Sep-09
VA0057576	Dominion Terminal	10-Nov-09	6-Nov-09	FLOW	0.0568	0.0568				Month	1-Oct-09	31-Oct-09
VA0057576	Dominion Terminal	10-Dec-09	8-Dec-09	FLOW	6.9563	6.9563				Month	1-Nov-09	30-Nov-09
VA0057576	Dominion Terminal	10-Jan-10	8-Jan-10	FLOW	6.9668	6.9668				Month	1-Dec-09	31-Dec-09
VA0057576	Dominion Terminal	10-Feb-10	4-Feb-10	FLOW	0.6284	0.6284				Month	1-Jan-10	31-Jan-10

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VA0057576	Dominion Terminal	10-Mar-10	rcvd	Parameter D	QTYAVG	QTYMAX	CONCMIN	CONCAV	CONCMAX	Reporting	Monitoring Star	Monitoring Er
VA0057576	Dominion Terminal	10-Apr-10	2-Mar-10	FLOW	4.4376	4.4376				Month	1-Feb-10	28-Feb-10
VA0057576	Dominion Terminal	10-May-10	1-Apr-10	FLOW	1.3622	1.3622				Month	1-Mar-10	31-Mar-10
VA0057576	Dominion Terminal	10-Jun-10	6-May-10	FLOW	.1656	.1656				Month	1-Apr-10	30-Apr-10
VA0057576	Dominion Terminal	10-Jul-10	3-Jun-10	FLOW	.9659	.9659				Month	1-May-10	31-May-10
VA0057576	Dominion Terminal	10-Aug-10	2-Jul-10	FLOW						Month	1-Jun-10	30-Jun-10
VA0057576	Dominion Terminal	10-Sep-10	2-Aug-10	FLOW						Month	1-Jul-10	31-Jul-10
VA0057576	Dominion Terminal	10-Oct-10	10-Sep-10	FLOW	3.3785	3.3785				Month	1-Aug-10	31-Aug-10
VA0057576	Dominion Terminal	10-Nov-10	8-Oct-10	FLOW	11.4495	11.4495				Month	1-Sep-10	30-Sep-10
VA0057576	Dominion Terminal	10-Dec-10	8-Nov-10	FLOW	.05	.05				Month	1-Oct-10	31-Oct-10
VA0057576	Dominion Terminal	10-Jan-11	3-Dec-10	FLOW						Month	1-Nov-10	30-Nov-10
VA0057576	Dominion Terminal	10-Feb-11	4-Jan-11	FLOW						Month	1-Dec-10	31-Dec-10
VA0057576	Dominion Terminal	10-Mar-11	8-Feb-11	FLOW						Month	1-Jan-11	31-Jan-11
VA0057576	Dominion Terminal	10-Apr-11	11-Mar-11	FLOW	0.3974	0.3974				Month	1-Feb-11	28-Feb-11
VA0057576	Dominion Terminal	10-May-11	5-Apr-11	FLOW	.0284	.0284				Month	1-Mar-11	31-Mar-11
VA0057576	Dominion Terminal	10-Jun-11	2-May-11	FLOW						Month	1-Apr-11	30-Apr-11
VA0057576	Dominion Terminal	10-Mar-06	12-Jun-11	FLOW	.0591	.0591				Month	1-May-11	31-May-11
VA0057576	Dominion Terminal	10-Jul-06	3-Mar-06	PH						Quarter	1-Feb-06	28-Feb-06
VA0057576	Dominion Terminal	10-Oct-06	5-Jul-06	PH			8.6		8.6	Quarter	1-Apr-06	30-Jun-06
VA0057576	Dominion Terminal	10-Feb-07	3-Oct-06	PH			7.8		7.8	Quarter	1-Jul-06	30-Sep-06
VA0057576	Dominion Terminal	10-Mar-07	2-Feb-07	PH						Month	1-Jan-07	31-Jan-07
VA0057576	Dominion Terminal	10-Apr-07	5-Mar-07	PH						Month	1-Feb-07	28-Feb-07
VA0057576	Dominion Terminal	10-May-07	3-Apr-07	PH						Month	1-Mar-07	31-Mar-07
VA0057576	Dominion Terminal	10-Jun-07	4-May-07	PH						Month	1-Apr-07	30-Apr-07
VA0057576	Dominion Terminal	10-Jul-07	4-Jun-07	PH						Month	1-May-07	31-May-07
VA0057576	Dominion Terminal	10-Aug-07	5-Jul-07	PH						Month	1-Jun-07	30-Jun-07
VA0057576	Dominion Terminal	10-Sep-07	9-Aug-07	PH			7		7	Month	1-Jul-07	31-Jul-07
VA0057576	Dominion Terminal	10-Oct-07	10-Sep-07	PH						Month	1-Aug-07	31-Aug-07
VA0057576	Dominion Terminal	10-Nov-07	2-Oct-07	PH						Month	1-Sep-07	30-Sep-07
VA0057576	Dominion Terminal	10-Dec-07	2-Nov-07	PH			8.9		8.9	Month	1-Oct-07	31-Oct-07
VA0057576	Dominion Terminal	10-Jan-08	4-Dec-07	PH						Month	1-Nov-07	30-Nov-07
VA0057576	Dominion Terminal	10-Feb-08	9-Jan-08	PH			8		8	Month	1-Dec-07	31-Dec-07
VA0057576	Dominion Terminal	10-Mar-08	6-Feb-08	PH			8		8	Month	1-Jan-08	31-Jan-08
VA0057576	Dominion Terminal	10-Apr-08	4-Mar-08	PH			8.3		8.3	Month	1-Feb-08	29-Feb-08
VA0057576	Dominion Terminal	10-May-08	9-Apr-08	PH			7.7		7.7	Month	1-Mar-08	31-Mar-08
VA0057576	Dominion Terminal	10-Jun-08	6-May-08	PH			8.7		8.7	Month	1-Apr-08	30-Apr-08
VA0057576	Dominion Terminal	10-Jul-08	6-Jun-08	PH			7.9		7.9	Month	1-May-08	31-May-08
VA0057576	Dominion Terminal	10-Aug-08	2-Jul-08	PH						Month	1-Jun-08	30-Jun-08
VA0057576	Dominion Terminal	10-Sep-08	8-Aug-08	PH			8.3		9.01	Month	1-Jul-08	31-Jul-08
VA0057576	Dominion Terminal	10-Oct-08	8-Sep-08	PH			8.5		8.5	Month	1-Aug-08	31-Aug-08
VA0057576	Dominion Terminal	10-Nov-08	8-Oct-08	PH			7.78		7.78	Month	1-Sep-08	30-Sep-08
VA0057576	Dominion Terminal	10-Dec-08	7-Nov-08	PH			7.0		7.0	Month	1-Oct-08	31-Oct-08

VA0057576	Dominion Terminal	10-Jan-09	rcvd	Parameter D	QTYAVG	QTYMAX	CONCMIN	CONCAV	CONCMAX	Reporting	Monitoring Star	Monitoring Er
VA0057576	Dominion Terminal	10-Feb-09	4-Dec-08	PH			8.2		8.2	Month	1-Nov-08	30-Nov-08
VA0057576	Dominion Terminal	10-Mar-09	9-Jan-09	PH			7.4		7.4	Month	1-Dec-08	31-Dec-08
VA0057576	Dominion Terminal	10-Apr-09	9-Feb-09	PH			7.6		7.6	Month	1-Jan-09	31-Jan-09
VA0057576	Dominion Terminal	10-May-09	4-Mar-09	PH						Month	1-Feb-09	28-Feb-09
VA0057576	Dominion Terminal	10-Jun-09	6-Apr-09	PH			8.4		8.4	Month	1-Mar-09	31-Mar-09
VA0057576	Dominion Terminal	10-Jul-09	8-May-09	PH			8.5		8.5	Month	1-Apr-09	30-Apr-09
VA0057576	Dominion Terminal	10-Aug-09	3-Jun-09	PH			8.5		8.5	Month	1-May-09	31-May-09
VA0057576	Dominion Terminal	10-Sep-09	9-Jul-09	PH			8.0		8.0	Month	1-Jun-09	30-Jun-09
VA0057576	Dominion Terminal	10-Oct-09	12-Aug-09	PH			8.4		8.4	Month	1-Jul-09	31-Jul-09
VA0057576	Dominion Terminal	10-Nov-09	8-Sep-09	PH			8.1		8.1	Month	1-Aug-09	31-Aug-09
VA0057576	Dominion Terminal	10-Dec-09	5-Oct-09	PH			8.5		8.5	Month	1-Sep-09	30-Sep-09
VA0057576	Dominion Terminal	10-Jan-10	6-Nov-09	PH			7.9		7.9	Month	1-Oct-09	31-Oct-09
VA0057576	Dominion Terminal	10-Feb-10	8-Dec-09	PH			8.4		8.4	Month	1-Nov-09	30-Nov-09
VA0057576	Dominion Terminal	10-Mar-10	8-Jan-10	PH			7.2		7.2	Month	1-Dec-09	31-Dec-09
VA0057576	Dominion Terminal	10-Apr-10	4-Feb-10	PH			8.3		8.3	Month	1-Jan-10	31-Jan-10
VA0057576	Dominion Terminal	10-May-10	2-Mar-10	PH			7.7		7.7	Month	1-Feb-10	28-Feb-10
VA0057576	Dominion Terminal	10-Jun-10	1-Apr-10	PH			7.4		7.4	Month	1-Mar-10	31-Mar-10
VA0057576	Dominion Terminal	10-Jul-10	6-May-10	PH			7.6		7.6	Month	1-Apr-10	30-Apr-10
VA0057576	Dominion Terminal	10-Aug-10	3-Jun-10	PH			8.3		8.3	Month	1-May-10	31-May-10
VA0057576	Dominion Terminal	10-Sep-10	2-Jul-10	PH						Month	1-Jun-10	30-Jun-10
VA0057576	Dominion Terminal	10-Oct-10	2-Aug-10	PH						Month	1-Jul-10	31-Jul-10
VA0057576	Dominion Terminal	10-Nov-10	10-Sep-10	PH			8.3		8.3	Month	1-Aug-10	31-Aug-10
VA0057576	Dominion Terminal	10-Dec-10	8-Oct-10	PH			8.5		8.5	Month	1-Sep-10	30-Sep-10
VA0057576	Dominion Terminal	10-Jan-11	8-Nov-10	PH			8.1		8.1	Month	1-Oct-10	31-Oct-10
VA0057576	Dominion Terminal	10-Feb-11	3-Dec-10	PH						Month	1-Nov-10	30-Nov-10
VA0057576	Dominion Terminal	10-Mar-11	4-Jan-11	PH						Month	1-Dec-10	31-Dec-10
VA0057576	Dominion Terminal	10-Apr-11	8-Feb-11	PH						Month	1-Jan-11	31-Jan-11
VA0057576	Dominion Terminal	10-May-11	11-Mar-11	PH			8.2		8.2	Month	1-Feb-11	28-Feb-11
VA0057576	Dominion Terminal	10-Jun-11	5-Apr-11	PH			7.5		7.5	Month	1-Mar-11	31-Mar-11
VA0057576	Dominion Terminal	10-Jan-06	2-May-11	PH						Month	1-Apr-11	30-Apr-11
VA0057576	Dominion Terminal	10-Feb-06	12-Jun-11	PH			8.5		8.5	Month	1-May-11	31-May-11
VA0057576	Dominion Terminal	10-Mar-06	9-Jan-06	TSS					4	Month	1-Dec-05	31-Dec-05
VA0057576	Dominion Terminal	10-Apr-06	6-Feb-06	TSS						Month	1-Jan-06	31-Jan-06
VA0057576	Dominion Terminal	10-May-06	3-Mar-06	TSS						Month	1-Feb-06	28-Feb-06
VA0057576	Dominion Terminal	10-Jun-06	3-Apr-06	TSS						Month	1-Mar-06	31-Mar-06
VA0057576	Dominion Terminal	10-Jul-06	5-May-06	TSS						Month	1-Apr-06	30-Apr-06
VA0057576	Dominion Terminal	10-Aug-06	1-Jun-06	TSS						Month	1-May-06	31-May-06
VA0057576	Dominion Terminal	10-Sep-06	5-Jul-06	TSS					8	Month	1-Jun-06	30-Jun-06
VA0057576	Dominion Terminal	10-Oct-06	4-Aug-06	TSS						Month	1-Jul-06	31-Jul-06
VA0057576	Dominion Terminal	10-Nov-06	5-Sep-06	TSS						Month	1-Aug-06	31-Aug-06
VA0057576	Dominion Terminal	10-Dec-06	3-Oct-06	TSS					13	Month	1-Sep-06	30-Sep-06

VA0057576	Dominion Terminal	10-Jan-07	rcvd	Parameter D	QTYAVG	QTYMAX	CONCMIN	CONCAV	CONCMAX	Reporting	Monitoring Star	Monitoring Er
VA0057576	Dominion Terminal	10-Feb-07	2-Nov-06	TSS						Month	1-Oct-06	31-Oct-06
VA0057576	Dominion Terminal	10-Mar-07	4-Dec-06	TSS					5	Month	1-Nov-06	30-Nov-06
VA0057576	Dominion Terminal	10-Apr-07	4-Jan-07	TSS						Month	1-Dec-06	31-Dec-06
VA0057576	Dominion Terminal	10-May-07	2-Feb-07	TSS						Month	1-Jan-07	31-Jan-07
VA0057576	Dominion Terminal	10-Jun-07	5-Mar-07	TSS						Month	1-Feb-07	28-Feb-07
VA0057576	Dominion Terminal	10-Jul-07	3-Apr-07	TSS						Month	1-Mar-07	31-Mar-07
VA0057576	Dominion Terminal	10-Aug-07	4-May-07	TSS						Month	1-Apr-07	30-Apr-07
VA0057576	Dominion Terminal	10-Sep-07	4-Jun-07	TSS						Month	1-May-07	31-May-07
VA0057576	Dominion Terminal	10-Oct-07	5-Jul-07	TSS						Month	1-Jun-07	30-Jun-07
VA0057576	Dominion Terminal	10-Nov-07	9-Aug-07	TSS					17	Month	1-Jul-07	31-Jul-07
VA0057576	Dominion Terminal	10-Dec-07	10-Sep-07	TSS						Month	1-Aug-07	31-Aug-07
VA0057576	Dominion Terminal	10-Jan-08	2-Oct-07	TSS						Month	1-Sep-07	30-Sep-07
VA0057576	Dominion Terminal	10-Feb-08	2-Nov-07	TSS					21	Month	1-Oct-07	31-Oct-07
VA0057576	Dominion Terminal	10-Mar-08	4-Dec-07	TSS						Month	1-Nov-07	30-Nov-07
VA0057576	Dominion Terminal	10-Apr-08	9-Jan-08	TSS					14	Month	1-Dec-07	31-Dec-07
VA0057576	Dominion Terminal	10-May-08	6-Feb-08	TSS					4.7	Month	1-Jan-08	31-Jan-08
VA0057576	Dominion Terminal	10-Jun-08	4-Mar-08	TSS					1.9	Month	1-Feb-08	29-Feb-08
VA0057576	Dominion Terminal	10-Jul-08	9-Apr-08	TSS					5.7	Month	1-Mar-08	31-Mar-08
VA0057576	Dominion Terminal	10-Aug-08	6-May-08	TSS					12	Month	1-Apr-08	30-Apr-08
VA0057576	Dominion Terminal	10-Sep-08	6-Jun-08	TSS					12	Month	1-May-08	31-May-08
VA0057576	Dominion Terminal	10-Oct-08	2-Jul-08	TSS						Month	1-Jun-08	30-Jun-08
VA0057576	Dominion Terminal	10-Nov-08	8-Aug-08	TSS					13	Month	1-Jul-08	31-Jul-08
VA0057576	Dominion Terminal	10-Dec-08	8-Sep-08	TSS					3.5	Month	1-Aug-08	31-Aug-08
VA0057576	Dominion Terminal	10-Jan-09	8-Oct-08	TSS					4.6	Month	1-Sep-08	30-Sep-08
VA0057576	Dominion Terminal	10-Feb-09	7-Nov-08	TSS					7.4	Month	1-Oct-08	31-Oct-08
VA0057576	Dominion Terminal	10-Mar-09	4-Dec-08	TSS					6.4	Month	1-Nov-08	30-Nov-08
VA0057576	Dominion Terminal	10-Apr-09	9-Jan-09	TSS					4.7	Month	1-Dec-08	31-Dec-08
VA0057576	Dominion Terminal	10-May-09	9-Feb-09	TSS					5.1	Month	1-Jan-09	31-Jan-09
VA0057576	Dominion Terminal	10-Jun-09	4-Mar-09	TSS						Month	1-Feb-09	28-Feb-09
VA0057576	Dominion Terminal	10-Jul-09	6-Apr-09	TSS					13.0	Month	1-Mar-09	31-Mar-09
VA0057576	Dominion Terminal	10-Aug-09	8-May-09	TSS					3.7	Month	1-Apr-09	30-Apr-09
VA0057576	Dominion Terminal	10-Sep-09	3-Jun-09	TSS					17.0	Month	1-May-09	31-May-09
VA0057576	Dominion Terminal	10-Oct-09	9-Jul-09	TSS					2.7	Month	1-Jun-09	30-Jun-09
VA0057576	Dominion Terminal	10-Nov-09	12-Aug-09	TSS					8.3	Month	1-Jul-09	31-Jul-09
VA0057576	Dominion Terminal	10-Dec-09	8-Sep-09	TSS					9.1	Month	1-Aug-09	31-Aug-09
VA0057576	Dominion Terminal	10-Jan-10	5-Oct-09	TSS					7.7	Month	1-Sep-09	30-Sep-09
VA0057576	Dominion Terminal	10-Feb-10	6-Nov-09	TSS					7.6	Month	1-Oct-09	31-Oct-09
VA0057576	Dominion Terminal	10-Mar-10	8-Dec-09	TSS					11.0	Month	1-Nov-09	30-Nov-09
VA0057576	Dominion Terminal	10-Apr-10	8-Jan-10	TSS					2.9	Month	1-Dec-09	31-Dec-09
VA0057576	Dominion Terminal	10-May-10	4-Feb-10	TSS					10.0	Month	1-Jan-10	31-Jan-10
VA0057576	Dominion Terminal	10-Jun-10	2-Mar-10	TSS					4.8	Month	1-Feb-10	28-Feb-10

VA0057576	Dominion Terminal	10-Jul-10	rcvd	Parameter D	QTYAVG	QTYMAX	CONCMIN	CONCAV	CONCMAX	Reporting	Monitoring Star	Monitoring Er
VA0057576	Dominion Terminal	10-Aug-10	1-Apr-10	TSS					3.9	Month	1-Mar-10	31-Mar-10
VA0057576	Dominion Terminal	10-Sep-10	6-May-10	TSS					24	Month	1-Apr-10	30-Apr-10
VA0057576	Dominion Terminal	10-Oct-10	3-Jun-10	TSS					12	Month	1-May-10	31-May-10
VA0057576	Dominion Terminal	10-Nov-10	2-Jul-10	TSS						Month	1-Jun-10	30-Jun-10
VA0057576	Dominion Terminal	10-Dec-10	2-Aug-10	TSS						Month	1-Jul-10	31-Jul-10
VA0057576	Dominion Terminal	10-Jan-11	10-Sep-10	TSS					18	Month	1-Aug-10	31-Aug-10
VA0057576	Dominion Terminal	10-Feb-11	8-Oct-10	TSS					21	Month	1-Sep-10	30-Sep-10
VA0057576	Dominion Terminal	10-Mar-11	8-Nov-10	TSS					6.2	Month	1-Oct-10	31-Oct-10
VA0057576	Dominion Terminal	10-Apr-11	3-Dec-10	TSS						Month	1-Nov-10	30-Nov-10
VA0057576	Dominion Terminal	10-May-11	4-Jan-11	TSS						Month	1-Dec-10	31-Dec-10
VA0057576	Dominion Terminal	10-Jun-11	8-Feb-11	TSS						Month	1-Jan-11	31-Jan-11
VA0057576	Dominion Terminal	10-Jan-06	11-Mar-11	TSS					12	Month	1-Feb-11	28-Feb-11
VA0057576	Dominion Terminal	10-Feb-06	5-Apr-11	TSS					5.3	Month	1-Mar-11	31-Mar-11
VA0057576	Dominion Terminal	10-Mar-06	2-May-11	TSS						Month	1-Apr-11	30-Apr-11
VA0057576	Dominion Terminal	10-Apr-06	12-Jun-11	TSS					25	Month	1-May-11	31-May-11
VA0057576	Dominion Terminal	10-May-06	9-Jan-06	PHOSPHORUS, TOTAL (AS P)				<0.02		Month	1-Dec-05	31-Dec-05
VA0057576	Dominion Terminal	10-Jun-06	6-Feb-06	PHOSPHORUS, TOTAL (AS P)						Month	1-Jan-06	31-Jan-06
VA0057576	Dominion Terminal	10-Jul-06	3-Mar-06	PHOSPHORUS, TOTAL (AS P)						Month	1-Feb-06	28-Feb-06
VA0057576	Dominion Terminal	10-Aug-06	3-Apr-06	PHOSPHORUS, TOTAL (AS P)						Month	1-Mar-06	31-Mar-06
VA0057576	Dominion Terminal	10-Sep-06	5-May-06	PHOSPHORUS, TOTAL (AS P)						Month	1-Apr-06	30-Apr-06
VA0057576	Dominion Terminal	10-Oct-06	1-Jun-06	PHOSPHORUS, TOTAL (AS P)						Month	1-May-06	31-May-06
VA0057576	Dominion Terminal	10-Nov-06	5-Jul-06	PHOSPHORUS, TOTAL (AS P)				<.02		Month	1-Jun-06	30-Jun-06
VA0057576	Dominion Terminal	10-Dec-06	4-Aug-06	PHOSPHORUS, TOTAL (AS P)						Month	1-Jul-06	31-Jul-06
VA0057576	Dominion Terminal	10-Jan-07	5-Sep-06	PHOSPHORUS, TOTAL (AS P)						Month	1-Aug-06	31-Aug-06
VA0057576	Dominion Terminal	10-Jul-07	3-Oct-06	PHOSPHORUS, TOTAL (AS P)				0.0900		Month	1-Sep-06	30-Sep-06
VA0057576	Dominion Terminal	10-Jan-08	2-Nov-06	PHOSPHORUS, TOTAL (AS P)						Month	1-Oct-06	31-Oct-06
VA0057576	Dominion Terminal	10-Jul-08	4-Dec-06	PHOSPHORUS, TOTAL (AS P)				<.02		Month	1-Nov-06	30-Nov-06
VA0057576	Dominion Terminal	10-Jan-09	4-Jan-07	PHOSPHORUS, TOTAL (AS P)						Month	1-Dec-06	31-Dec-06
VA0057576	Dominion Terminal	10-Jul-09	5-Jul-07	PHOSPHORUS, TOTAL (AS P)						Semi Annu	1-Jan-07	30-Jun-07
VA0057576	Dominion Terminal	10-Jan-10	9-Aug-07	PHOSPHORUS, TOTAL (AS P)				0.0800		Semi Annu	1-Jul-07	31-Dec-07
VA0057576	Dominion Terminal	10-Jul-10	6-Feb-08	PHOSPHORUS, TOTAL (AS P)				0.2300		Semi Annu	1-Jan-08	30-Jun-08
VA0057576	Dominion Terminal	10-Jan-11	8-Aug-08	PHOSPHORUS, TOTAL (AS P)				0.0300		Semi Annu	1-Jul-08	31-Dec-08
VA0057576	Dominion Terminal	10-Mar-06	9-Feb-09	PHOSPHORUS, TOTAL (AS P)				0.0300		Semi Annu	1-Jan-09	30-Jun-09
VA0057576	Dominion Terminal	10-Jul-06	28-Jan-10	PHOSPHORUS, TOTAL (AS P)				0.0900		Semi Annu	1-Jul-09	31-Dec-09
VA0057576	Dominion Terminal	10-Oct-06	2-Mar-10	PHOSPHORUS, TOTAL (AS P)				.04		Semi Annu	1-Jan-10	30-Jun-10
VA0057576	Dominion Terminal	10-Jul-07	5-Jan-11	PHOSPHORUS, TOTAL (AS P)				.09		Semi Annu	1-Jul-10	31-Dec-10
VA0057576	Dominion Terminal	10-Jan-08	3-Mar-06	NITROGEN, TOTAL (AS N)						Semi Annu	1-Feb-06	28-Feb-06
VA0057576	Dominion Terminal	10-Jul-08	5-Jul-06	NITROGEN, TOTAL (AS N)				5.0		Semi Annu	1-Jun-06	30-Jun-06
VA0057576	Dominion Terminal	10-Jan-09	3-Oct-06	NITROGEN, TOTAL (AS N)				2.0		Semi Annu	1-Apr-06	30-Sep-06
VA0057576	Dominion Terminal	10-Jul-09	5-Jul-07	NITROGEN, TOTAL (AS N)						Semi Annu	1-Jan-07	30-Jun-07
VA0057576	Dominion Terminal	10-Jan-10	9-Aug-07	NITROGEN, TOTAL (AS N)				0.0800		Semi Annu	1-Jul-07	31-Dec-07

VA0057576	Dominion Terminal	10-Jul-10	rcvd	Parameter D	QTYAVG	QTYMAX	CONCMIN	CONCAV	CONCMAX	Reporting	Monitoring Star	Monitoring Er
VA0057576	Dominion Terminal	10-Jan-11	6-Feb-08	NITROGEN, TOTAL (AS N)				0.9000		Semi Annu	1-Jan-08	30-Jun-08
VA0057576	Dominion Terminal	10-Mar-06	8-Aug-08	NITROGEN, TOTAL (AS N)				0.4000		Semi Annu	1-Jul-08	31-Dec-08
VA0057576	Dominion Terminal	10-Jul-06	9-Feb-09	NITROGEN, TOTAL (AS N)				0.6000		Semi Annu	1-Jan-09	30-Jun-09
VA0057576	Dominion Terminal	10-Oct-06	28-Jan-10	NITROGEN, TOTAL (AS N)				0.4000		Semi Annu	1-Jul-09	31-Dec-09
VA0057576	Dominion Terminal	10-Jul-07	2-Mar-10	NITROGEN, TOTAL (AS N)				.5		Semi Annu	1-Jan-10	30-Jun-10
VA0057576	Dominion Terminal	10-Jan-08	5-Jan-11	NITROGEN, TOTAL (AS N)				1.1		Semi Annu	1-Jul-10	31-Dec-10
VA0057576	Dominion Terminal	10-Jul-08	3-Mar-06	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE						Semi Annu	1-Feb-06	28-Feb-06
VA0057576	Dominion Terminal	10-Jan-09	5-Jul-06	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE					0.513	Semi Annu	1-Jun-06	30-Jun-06
VA0057576	Dominion Terminal	10-Jul-09	3-Oct-06	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE					0	Semi Annu	1-Apr-06	30-Sep-06
VA0057576	Dominion Terminal	10-Jan-10	5-Jul-07	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE						Semi Annu	1-Jan-07	30-Jun-07
VA0057576	Dominion Terminal	10-Jul-10	9-Aug-07	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE					0	Semi Annu	1-Jul-07	31-Dec-07
VA0057576	Dominion Terminal	10-Jan-11	6-Feb-08	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE					<.513	Semi Annu	1-Jan-08	30-Jun-08
VA0057576	Dominion Terminal	10-Mar-06	8-Aug-08	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE					<.513	Semi Annu	1-Jul-08	31-Dec-08
VA0057576	Dominion Terminal	10-Jul-06	9-Feb-09	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE					<1.0	Semi Annu	1-Jan-09	30-Jun-09
VA0057576	Dominion Terminal	10-Oct-06	28-Jan-10	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE					X	Semi Annu	1-Jul-09	31-Dec-09
VA0057576	Dominion Terminal	10-Jan-07	2-Mar-10	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE					<1	Semi Annu	1-Jan-10	30-Jun-10
VA0057576	Dominion Terminal	10-Jul-07	5-Jan-11	PETROLEUM HYDROCARBONS, TOTAL RECOVERABLE					<QL	Semi Annu	1-Jul-10	31-Dec-10
VA0057576	Dominion Terminal	10-Jan-08	3-Mar-06	COPPER, DISSOLVED (UG/L AS CU)						Quarter	1-Feb-06	28-Feb-06
VA0057576	Dominion Terminal	10-Jul-08	5-Jul-06	COPPER, DISSOLVED (UG/L AS CU)					8	Quarter	1-Apr-06	30-Jun-06
VA0057576	Dominion Terminal	10-Jan-09	3-Oct-06	COPPER, DISSOLVED (UG/L AS CU)					16	Quarter	1-Jul-06	30-Sep-06
VA0057576	Dominion Terminal	10-Jul-09	4-Dec-06	COPPER, DISSOLVED (UG/L AS CU)					<7	Quarter	1-Nov-06	30-Nov-06
VA0057576	Dominion Terminal	10-Jan-10	5-Jul-07	COPPER, DISSOLVED (UG/L AS CU)						Semi Annu	1-Jan-07	30-Jun-07
VA0057576	Dominion Terminal	10-Jul-10	9-Aug-07	COPPER, DISSOLVED (UG/L AS CU)					171	Semi Annu	1-Jul-07	31-Dec-07
VA0057576	Dominion Terminal	10-Jan-11	6-Feb-08	COPPER, DISSOLVED (UG/L AS CU)					4	Semi Annu	1-Jan-08	30-Jun-08
VA0057576	Dominion Terminal	10-Mar-06	8-Aug-08	COPPER, DISSOLVED (UG/L AS CU)					<3.7	Semi Annu	1-Jul-08	31-Dec-08
VA0057576	Dominion Terminal	10-Jul-06	9-Feb-09	COPPER, DISSOLVED (UG/L AS CU)					<QL	Semi Annu	1-Jan-09	30-Jun-09
VA0057576	Dominion Terminal	10-Oct-06	28-Jan-10	COPPER, DISSOLVED (UG/L AS CU)					0.003	Semi Annu	1-Jul-09	31-Dec-09
VA0057576	Dominion Terminal	10-Jan-07	2-Mar-10	COPPER, DISSOLVED (UG/L AS CU)					<QL	Semi Annu	1-Jan-10	30-Jun-10
VA0057576	Dominion Terminal	10-Jul-07	5-Jan-11	COPPER, DISSOLVED (UG/L AS CU)					<QL	Semi Annu	1-Jul-10	31-Dec-10
VA0057576	Dominion Terminal	10-Jan-08	3-Mar-06	NICKEL, DISSOLVED (UG/L AS NI)						Quarter	1-Feb-06	28-Feb-06
VA0057576	Dominion Terminal	10-Jul-08	5-Jul-06	NICKEL, DISSOLVED (UG/L AS NI)					22	Quarter	1-Apr-06	30-Jun-06
VA0057576	Dominion Terminal	10-Jan-09	3-Oct-06	NICKEL, DISSOLVED (UG/L AS NI)					38	Quarter	1-Jul-06	30-Sep-06
VA0057576	Dominion Terminal	10-Jul-09	4-Dec-06	NICKEL, DISSOLVED (UG/L AS NI)					26	Quarter	1-Nov-06	30-Nov-06
VA0057576	Dominion Terminal	10-Jan-10	5-Jul-07	NICKEL, DISSOLVED (UG/L AS NI)						Semi Annu	1-Jan-07	30-Jun-07
VA0057576	Dominion Terminal	10-Jul-10	9-Aug-07	NICKEL, DISSOLVED (UG/L AS NI)					22	Semi Annu	1-Jul-07	31-Dec-07
VA0057576	Dominion Terminal	10-Jan-11	6-Feb-08	NICKEL, DISSOLVED (UG/L AS NI)					100	Semi Annu	1-Jan-08	30-Jun-08
VA0057576	Dominion Terminal	10-Mar-06	8-Aug-08	NICKEL, DISSOLVED (UG/L AS NI)					<30	Semi Annu	1-Jul-08	31-Dec-08
VA0057576	Dominion Terminal	10-Jul-06	9-Feb-09	NICKEL, DISSOLVED (UG/L AS NI)					103	Semi Annu	1-Jan-09	30-Jun-09
VA0057576	Dominion Terminal	10-Oct-06	28-Jan-10	NICKEL, DISSOLVED (UG/L AS NI)					0.124	Semi Annu	1-Jul-09	31-Dec-09
VA0057576	Dominion Terminal	10-Jan-07	2-Mar-10	NICKEL, DISSOLVED (UG/L AS NI)					65	Semi Annu	1-Jan-10	30-Jun-10
VA0057576	Dominion Terminal	10-Jul-07	5-Jan-11	NICKEL, DISSOLVED (UG/L AS NI)					0.020	Semi Annu	1-Jul-10	31-Dec-10

VA0057576	Dominion Terminal	10-Jan-08	rcvd	Parameter D	QTYAVG	QTYMAX	CONCMIN	CONCAV	CONCMAX	Reporting	Monitoring Star	Monitoring Er
VA0057576	Dominion Terminal	10-Jul-08	3-Mar-06	ZINC, DISSOLVED (AS ZN) (UG/L)						Quarter	1-Feb-06	28-Feb-06
VA0057576	Dominion Terminal	10-Jan-09	5-Jul-06	ZINC, DISSOLVED (AS ZN) (UG/L)					<52	Quarter	1-Apr-06	30-Jun-06
VA0057576	Dominion Terminal	10-Jul-09	3-Oct-06	ZINC, DISSOLVED (AS ZN) (UG/L)					<52	Quarter	1-Jul-06	30-Sep-06
VA0057576	Dominion Terminal	10-Jan-10	4-Dec-06	ZINC, DISSOLVED (AS ZN) (UG/L)					<52	Quarter	1-Nov-06	30-Nov-06
VA0057576	Dominion Terminal	10-Jul-10	5-Jul-07	ZINC, DISSOLVED (AS ZN) (UG/L)						Semi Annu	1-Jan-07	30-Jun-07
VA0057576	Dominion Terminal	10-Jan-11	9-Aug-07	ZINC, DISSOLVED (AS ZN) (UG/L)					<52	Semi Annu	1-Jul-07	31-Dec-07
			6-Feb-08	ZINC, DISSOLVED (AS ZN) (UG/L)					147	Semi Annu	1-Jan-08	30-Jun-08
			8-Aug-08	ZINC, DISSOLVED (AS ZN) (UG/L)					<36	Semi Annu	1-Jul-08	31-Dec-08
			9-Feb-09	ZINC, DISSOLVED (AS ZN) (UG/L)					88	Semi Annu	1-Jan-09	30-Jun-09
			28-Jan-10	ZINC, DISSOLVED (AS ZN) (UG/L)					0.108	Semi Annu	1-Jul-09	31-Dec-09
			2-Mar-10	ZINC, DISSOLVED (AS ZN) (UG/L)					66	Semi Annu	1-Jan-10	30-Jun-10
			5-Jan-11	ZINC, DISSOLVED (AS ZN) (UG/L)					<QL	Semi Annu	1-Jul-10	31-Dec-10

8-07

ATTACHMENT 11

303(d) LISTED SEGMENTS

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

2010 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
APPTF-SAV-BAY	Appomattox River						
Aquatic Life	Aquatic Plants (Macrophytes)	5A	2.705			2006	2010
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	5A	2.705			2006	2010
EBEMH-DO-BAY	Eastern Branch Elizabeth River, Broad Creek and Indian River						
Aquatic Life	Oxygen, Dissolved	5A	2.287			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	2.287			2006	2010
ELIPH-DO-BAY	Chesapeake Bay segment ELIPH (Elizabeth River Mainstem)						
Aquatic Life	Oxygen, Dissolved	5A	8.162			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	8.162			2006	2010
G01E-01-BAC	James River						
Recreation	Escherichia coli	5A	1.466			1996	2010
	Escherichia coli	5A	2.828			2006	2010
	Escherichia coli	5A	1.964			2008	2010
G01E-02-CHLA	James River						
Aquatic Life	Chlorophyll-a	5A	5.512			2008	2010
Open-Water Aquatic Life	Chlorophyll-a	5A	5.512			2008	2010
G01E-03-PCB	James River and Various Tributaries						
Fish Consumption	PCB in Fish Tissue	5A	62.773			2002	2014
	PCB in Fish Tissue	5A	1.837			2004	2016
	PCB in Fish Tissue	5A	191.816			2006	2018
	PCB in Fish Tissue	5D			7.50	2006	2018
	PCB in Fish Tissue	5A	0.012			2008	2014
	PCB in Fish Tissue	5A	0.003			2010	2018
G01L-01-BAC	Falling Creek Reservoir						
Recreation	Escherichia coli	5A		88.37		2008	2020
G01L-01-PH	Falling Creek Reservoir						
Aquatic Life	pH	5C		88.37		2010	2022
G01R-01-BAC	Goode Creek						
Recreation	Escherichia coli	5A			1.25	2006	2014
G01R-02-BAC	Almond Creek						
Recreation	Escherichia coli	5A			2.36	2006	2010
G01R-02-PH	XVO and XVP (Almond Creek, UTs)						
Aquatic Life	pH	5A			0.54	2004	2016
G01R-03-BAC	Falling Creek						
Recreation	Escherichia coli	5A			3.11	2006	2014
G01R-04-BAC	Falling Creek						
Recreation	Escherichia coli	5A			16.99	2006	2018
G01R-04-DO	Falling Creek						
Aquatic Life	Oxygen, Dissolved	5A			0.98	2008	2020

Attachment 1-1

DEQ
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

2010 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G09R-02-BAC	Diascund Creek						
Recreation	Escherichia coli	5A			6.88	2008	2020
G09R-02-DO	Diascund Creek						
Aquatic Life	Oxygen, Dissolved	5C			6.88	2008	2020
G10E-04-CHLA	James River - Lower						
Aquatic Life	Chlorophyll-a	5A	126.390			2008	2010
	Chlorophyll-a	5A	0.782			2010	2010
Open-Water Aquatic Life	Chlorophyll-a	5A	126.390			2008	2010
	Chlorophyll-a	5A	0.782			2010	2010
G10E-05-EBEN	James River Mainstem - Chickahominy R. to Hog Point						
Aquatic Life	Estuarine Bioassessments	5A	26.128			2004	2016
G10E-06-BAC	College Creek						
Recreation	Enterococcus	5A	0.568			2006	2018
G10R-01-BAC	College Run						
Recreation	Fecal Coliform	5A			2.39	2002	2014
G10R-02-BEN	Powhatan Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			5.35	2002	2014
G10R-03-DO	Dark Swamp, UT (XHC)						
Aquatic Life	Oxygen, Dissolved	5A			1.30	2010	2022
G11E-05-EBEN	James River - Hog Point Downstream to West side of Craney Island						
Aquatic Life	Estuarine Bioassessments	5A	24.428			2006	2018
	Estuarine Bioassessments	5A	73.889			2010	2022
G11E-17-SF	Ballard Creek & Bay, James River - Ballard Swamp Area and Kings Creek & Bay						
Shellfishing	Fecal Coliform	5B	0.096			1998	2010
	Fecal Coliform	5B	0.068			2010	2022
G11E-18-SF	Tylers Beach Boat Basin						
Shellfishing	Fecal Coliform	5B	0.003			2004	2016
G11E-19-SF	James River - Outside Chuckatuck Creek						
Shellfishing	Fecal Coliform	5B	0.564			2010	2022
G11L-01-CU	Lee Hall Reservoir						
Aquatic Life	Copper	5A		290.06		2004	2016
Wildlife	Copper	5A		290.06		2004	2016
G11L-01-DO	Lee Hall Reservoir						
Aquatic Life	Oxygen, Dissolved	5A		290.06		2006	2018
G11L-01-HG	Lee Hall Reservoir						
Fish Consumption	Mercury in Fish Tissue	5A		290.06		2010	2022
G11L-01-PCB	Lee Hall Reservoir						
Fish Consumption	PCB in Fish Tissue	5A		290.06		2010	2022

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

2010 Impaired Waters - 303(d) List

Category 5 - Waters needing Total Maximum Daily Load Study

James River Basin

Cause Group Code / Impaired Use	Water Name / Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
J16R-02-PH	Blackman Creek						
Aquatic Life	pH	5C			4.45	2004	2016
J17L-01-DO	Swift Creek Lake						
Aquatic Life	Oxygen, Dissolved	5A		102.42		2006	2018
J17R-01-BEN	Swift Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			7.10	2010	2022
J17R-01-DO	Swift Creek						
Aquatic Life	Oxygen, Dissolved	5A			7.10	2002	2014
J17R-03-PH	Franks Branch						
Aquatic Life	pH	5C			10.02	2006	2018
J17R-05-PH	Church Branch						
Aquatic Life	pH	5C			2.56	2010	2022
J17R-06-DO	Nuttree Branch						
Aquatic Life	Oxygen, Dissolved	5C			5.31	2010	2022
J17R-06-PH	Nuttree Branch						
Aquatic Life	pH	5C			5.31	2010	2022
J17R-07-PH	Second Branch						
Aquatic Life	pH	5C			5.84	2010	2022
J17R-08-DO	Swift Creek						
Aquatic Life	Oxygen, Dissolved	5A			3.66	2010	2022
J17R-09-BEN	Swift Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	5A			2.79	2010	2022
J17R-10-PH	Timsbury Creek						
Aquatic Life	pH	5C			6.65	2010	2022
J17R-11-PH	Long Swamp						
Aquatic Life	pH	5C			3.65	2010	2022
JMSMH-DO-BAY	James River CBP segment JMSMH and Tidal Tributaries						
Aquatic Life	Oxygen, Dissolved	5A	100.143			1998	2010
	Oxygen, Dissolved	5A	18.371			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	100.143			1998	2010
	Oxygen, Dissolved	5A	18.371			2006	2010
JMSOH-DO-BAY	James River CBP segment JMSOH and Tidal Tributaries						
Aquatic Life	Oxygen, Dissolved	5A	48.740			2006	2010
Open-Water Aquatic Life	Oxygen, Dissolved	5A	2.212			2006	2010
JMSPH-BNUT-BAY	James River CBP segment JMSPH and Tidal Tributaries						
Aquatic Life	Nutrient/Eutrophication Biological Indicators	5A	25.011			2010	2010

Appendix A - List of Impaired (Category 5) Waters in 2010

James River Basin

Cause Group Code: **G01E-03-PCB** **James River and Various Tributaries**

Location: Estuarine James River from the fall line to the Hampton Roads Bridge Tunnel, including several tributaries listed below: Appomattox River up to Lake Chesdin Dam
Bailey Creek up to Route 630
Bailey Bay
Chickahominy River up to Walkers Dam
Skiffes Creek up to Skiffes Creek Dam
Pagan River and its tributary Jones Creek
Chuckatuck Creek
Nansemond River and its tributaries Bennett Creek and Star Creek
Hampton River
Willoughby Bay and the Elizabeth R. system (Western, Eastern, and Southern Branches and Lafayette R.) and tributaries St. Julian Creek, Deep Creek, and Broad Creek

City / County:

Charles City Co.	Chesapeake City	Chesterfield Co.	Colonial Heights City	Dinwiddie Co.
Hampton City	Henrico Co.	Hopewell City	Isle Of Wight Co.	James City Co.
New Kent Co.	Newport News City	Norfolk City	Petersburg City	Portsmouth City
Prince George Co.	Richmond City	Suffolk City	Surry Co.	Virginia Beach City
Williamsburg City				

Use(s): Fish Consumption

Cause(s) / VA Category: PCB in Fish Tissue / 5A PCB in Fish Tissue / 5D

The Fish Consumption Use is impaired based on the VDH fish consumption advisory for PCBs fish tissue contamination within the James River and select tidal tributaries, issued 12/13/04. During the 2002 cycle, the James River from the Fall line to Queens Creek was considered not supporting of the Fish Consumption Use due to PCBs in multiple fish species at multiple DEQ monitoring locations.

During the 2004 cycle, a VDH Fish Consumption Restriction was issued from the fall line to Flowerdew Hundred and the segment was adjusted slightly to match the Restriction.

However, during the 2006 cycle, the restriction was extended on 12/13/2004 to extend from the I-95 bridge downstream to the Hampton Roads Bridge Tunnel and include the tidal portions of the following tributaries:

Appomattox River up to Lake Chesdin Dam
Bailey Creek up to Route 630
Bailey Bay
Chickahominy River up to Walkers Dam
Skiffes Creek up to Skiffes Creek Dam
Pagan River and its tributary Jones Creek
Chuckatuck Creek
Nansemond River and its tributaries Bennett Creek and Star Creek
Hampton River
Willoughby Bay and the Elizabeth R. system (Western, Eastern, and Southern Branches and Lafayette R.) and tributaries St. Julian Creek, Deep Creek, and Broad Creek

11-4

Appendix A - List of Impaired (Category 5) Waters in 2010

James River Basin

The advisory was modified again on 10/10/2006 to add Poythress Run.

James River and Various Tributaries **Fish Consumption**			Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
		PCB in Fish Tissue - Total Impaired Size by Water Type:	**256.441**		**7.50**

Sources:

Contaminated Sediments	Source Unknown	Sources Outside State Jurisdiction or Borders

11-5

Appendix A - List of Impaired (Category 5) Waters in 2010

James River Basin

Cause Group Code: **G10E-04-CHLA** **James River - Lower**

Location: The mainstem of the James River within the Mesohaline and Polyhaline portions of the James Estuary.

City / County: Hampton City, Isle Of Wight Co., James City Co., Newport News City, Norfolk City, Portsmouth City, Suffolk City, Surry Co.

Use(s): Aquatic Life, Open-Water Aquatic Life

Cause(s) / VA Category: Chlorophyll-a / 5A

The Chlorophyll a - Spring criteria for Plankton failed for the 2008 assessment. The Chlorophyll a - Summer criteria is meeting for the 2008 assessment period.

James River - Lower **Aquatic Life**		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	Chlorophyll-a - Total Impaired Size by Water Type:	**127.172**		

James River - Lower **Open-Water Aquatic Life**		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	Chlorophyll-a - Total Impaired Size by Water Type:	**127.172**		

Sources:

Industrial Point Source Discharge

Municipal Point Source Discharges

Non-Point Source

9-11

Appendix A - List of Impaired (Category 5) Waters in 2010

James River Basin

Cause Group Code: **G11E-05-EBEN** **James River - Hog Point Downstream to West side of Craney Island**

Location: This cause encompasses the James River Mainstem, from area of Hog Point (coincident with the CBP segment JMSMH line) downstream to West side of Craney Island (coincident with the end of CBP segment JMSMH. CBP segment JMSMH.

City / County: Isle Of Wight Co. James City Co. Newport News City Portsmouth City Suffolk City
Surry Co.

Use(s): Aquatic Life

Cause(s) / VA Category: Estuarine Bioassessments / 5A

The Aquatic Life Use is impaired based on failure to meet a statistical evaluation constituting an un-impacted benthic organism population per CBP (Benthic-BIBI) analysis. The source/stressor tool yielded an unknown source for the impairment.
The TMDL due date is 2022.

James River - Hog Point Downstream to West side of Craney Island **Aquatic Life**	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Estuarine Bioassessments - Total Impaired Size by Water Type:	**98.316**		

Sources:

Source Unknown

11-7

Appendix A - List of Impaired (Category 5) Waters in 2010

James River Basin

Cause Group Code: **JMSMH-DO-BAY** **James River CBP segment JMSMH and Tidal Tributaries**

Location: This cause encompasses the entirety of the James River CBP segment JMSMH and tidal tributaries. From start of JMSMH salinity boundary (Hog Island Creek) downstream to line between Blunt Point NN) /Goodwin Pt. (Isle of Wight). CBP segment JMSMH.

City / County: Isle Of Wight Co. James City Co. Newport News City Portsmouth City Suffolk City Surry Co.

Use(s): Aquatic Life Open-Water Aquatic Life

Cause(s) / VA Category: Oxygen, Dissolved / 5A

The Aquatic Life and Open-Water Aquatic Life Use is impaired based on failure to meet the dissolved oxygen criteria for Open Water - Summer. The 30-day dissolved oxygen criteria for Open Water Use failed for the 2008 assessment. There is insufficient data to assess remaining shorter-term dissolved oxygen criteria for this use. The mainstem James River was included in EPA's 1998 303(d) Overlisting as impaired of the Aquatic Life Use; the impairment was attributed to excessive nutrients. During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted.

1998 CD segment for nutrients (Attachment A, Category 1, Part 2) VAT-G10E-04.

James River CBP segment JMSMH and Tidal Tributaries **Aquatic Life**		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	Oxygen, Dissolved - Total Impaired Size by Water Type:	**118.514**		

James River CBP segment JMSMH and Tidal Tributaries **Open-Water Aquatic Life**		Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
	Oxygen, Dissolved - Total Impaired Size by Water Type:	**118.514**		

Sources:

Agriculture	Atmospheric Deposition - Nitrogen	Industrial Point Source Discharge	Internal Nutrient Recycling
Loss of Riparian Habitat	Municipal Point Source Discharges	Sources Outside State Jurisdiction or Borders	Wet Weather Discharges (Non-Point Source)
Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)			

8-11

VIRGINIA

305(b)/303(d)

WATER QUALITY INTEGRATED REPORT

to

CONGRESS and the EPA ADMINISTRATOR

for the

PERIOD

January 1, 2003 to December 31, 2008

DEQ
VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

DCR
Department of Conservation & Recreation
CONSERVING VIRGINIA'S NATURAL AND RECREATIONAL RESOURCES

Richmond, Virginia

November 2010

11-10 (0057576)

TMDL Permit Review

Date: 9/2/2011

To: Jennifer Howell, TRO √ JSH 9/12/2011

Permit Writer: Debra L. Thompson

Facility: Dominion Terminal Associates

Permit Number: VA0057576

Issuance, Reissuance or Modification (if Modification describe) : Reissuance

Permit Expiration Date: 12/4/2011

Waterbody ID (ex: VAT-G15E): VAT-G11E

Topo Name: Newport News South 35B

Facility Address:600 Harbor Rd, Pier 11, Newport News, VA

Draft Permit is currently at Public Notice.

Receiving Stream: Attached are topographic maps showing facility property boundaries and outfall(s) locations for those included in this request.

Stream Name: Hampton Roads/James River	
Click here to enter text.	
Outfall #: 001	**Lat Lon: 36'57'30", 76'25'00"**
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.
Stream Name (2): Click here to enter text.	
Click here to enter text.	
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.
Outfall #: Click here to enter text.	**Lat Lon:** Click here to enter text.

If greater than 2 receiving streams or 3 outfalls per stream please provide a separate table with outfall listings and Latitude Longitude description.

Is there a design flow change? If yes give the change. No

TMDL Review:

Is a TMDL IN PROGRESS for the receiving stream? Yes, PCB TMDL anticipated completion date 2014	
Has a TMDL been APPROVED that includes the receiving stream?	
Yes – see below	
If yes, Include TMDL Name, Pollutant(s) and date of approval:	
Chesapeake Bay TMDL EPA approved 12/29/2010 : nitrogen, phosphorus, and TSS	
Is the facility assigned a WLA from the TMDL?	No – see notes below
If Yes, what is the WLA?	
1) VA0057576 was listed in the Chesapeake Bay TMDL under Bay segment JMSMH as a non-significant discharger. Because an aggregated WLA exists, this permit did not receive an individual WLA. The aggregated WLA is presented as a delivered load for each of the impaired 92 Bay segments. (Appendix Q)	

Review will be completed in 30 days of receipt of request.

Additional Comments:

11-11

Thompson, Debra (DEQ)

From: Britt, Kristie (DEQ)
Sent: Tuesday, September 13, 2011 10:00 AM
To: Thompson, Debra (DEQ)
Subject: Appendix Q link to Final Chesapeake Bay TMDL

http://www.epa.gov/reg3wapd/tmdl/ChesapeakeBay/tmdlexec.html

Kristie Britt

Water Quality Specialist

Department of Environmental Quality

Tidewater Regional Office
5636 Southern Blvd.
Virginia Beach, VA 23462
(757) 518-2153

New Email Address:

Kristie.Britt@deq.virginia.gov

ATTACHMENT 12

TABLE III(a) AND TABLE III(b) - CHANGE SHEETS

TABLE III(a)

VPDES PERMIT PROGRAM
Permit Processing Change Sheet

1. Effluent Limits and Monitoring Schedule: (List any changes FROM PREVIOUS PERMIT and give a brief rationale for the changes).

OUTFALL NUMBER	PARAMETER CHANGED	MONITORING LIMITS CHANGED FROM / TO	EFFLUENT LIMITS CHANGED FROM / TO	RATIONALE	DATE & INITIAL
	None				

OTHER CHANGES FROM:	CHANGED TO:	DATE & INITIAL

TABLE III(b)

VPDES PERMIT PROGRAM
Permit Processing Change Sheet

1. Effluent Limits and Monitoring Schedule: (List any changes MADE DURING PERMIT PROCESS and give a brief rationale for the changes).

OUTFALL NUMBER	PARAMETER CHANGED	MONITORING LIMITS CHANGED FROM / TO	EFFLUENT LIMITS CHANGED FROM / TO	RATIONALE	DATE & INITIAL
001					

OTHER CHANGES FROM:	CHANGED TO:	DATE & INITIAL

12.2

ATTACHMENT 13

NPDES INDUSTRIAL PERMIT RATING WORKSHEET
AND
EPA PERMIT CHECKLIST

13-1

NPDES Permit Rating Work Sheet

_X_ Regular Addition
___ Discretionary Addition
___ Score change, but no status change
___ Deletion

NPDES NO: |_V_|_A_|_0_|_0_|_5_|_7_|_5_|_7_|_6_|

Facility Name:

|_D_|_O_|_M_|_I_|_N_|_I_|_O_|_N_|_T_|_E_|_R_|_M_|_I_|_N_|_A_|_L_|_A_|_S_|_S_|_O_|_C_|_L_|_L_|_P_|

City: |_N_|_E_|_W_|_P_|_O_|_R_|_T_|_N_|_E_|_W_|_S_|

Receiving Water:
|_H_|_A_|_M_|_P_|_T_|_O_|_N_|_R_|_O_|_A_|_D_|_S_|

Reach Number: |_2_|_J_|_M_|_S_|_0_|_0_|_0_|_5_|_5_|

Is this facility a steam electric power plant (SIC=4911) with one or more of the following characteristics?

1. Power output 500 MW or greater (not using a cooling pond/lake)
2. A nuclear power plant
3. Cooling water discharge greater than 25% of the receiving stream's 7Q10 flow rate

___ YES: score is 600 (stop here) _X_ NO (continue)

Is this permit for a municipal separate storm sewer serving a population greater than 100,000?

___ YES; score is 700 (stop here)
_X_ NO (continue)

FACTOR 1: Toxic Pollutant Potential

PCS SIC Code: |___|___|___|___| Primary SIC Code: |_4_|_4_|_9_|_1_|

Other SIC Codes: |___|___|___|___| |___|___|___|___| |___|___|___|___| |___|___|___|___|

Industrial Subcategory Code: |_0_|_0_|_0_| (Code 000 if no subcategory)

Determine the Toxicity potential from Appendix A. Be sure to use the TOTAL toxicity potential column and check one

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
___ No process waste streams	0	0	___ 3.	3	15	___ 7.	7	35
_X_ 1.	1	5	___ 4.	4	20	___ 8.	8	40
___ 2.	2	10	___ 5.	5	25	___ 9.	9	45
			___ 6.	6	30	___ 10.	10	50

Code Number Checked: |___|_1_|

Total Points Factor 1: |___|_5_|

FACTOR 2: Flow/Stream Flow Volume *(Complete Either Section A or Section B; check only one)*

Section A--Wastewater Flow Only Considered

Wastewater Type (See Instructions)			Code	Points
Type I:	Flow < 5 MGD	___	11	0
	Flow 5 to 10 MGD	___	12	10
	Flow > 10 to 50 MGD	___	13	20
	Flow > 50 MGD	___	14	30
Type II:	Flow < 1 MGD	___	21	10
	Flow 1 to 5 MGD	_X_	22	20
	Flow > 5 to 10 MGD	___	23	30
	Flow > 10 MGD	___	24	50
Type III:	Flow < 1 MGD	___	31	0
	Flow 1 to 5 MGD	___	32	10
	Flow > 5 to 10 MGD	___	33	20
	Flow > 10 MGD	___	34	30

Section B--Wastewater and Stream Flow Considered

Wastewater Type (See Instructions)	Percent of Instream Wastewater Concentration at Receiving Stream Low Flow		Code	Points
Type I/III:	< 10%	___	41	0
	> 10% to < 50%	___	42	10
	> 50%	___	43	20
Type II:	<10%	___	51	0
	> 10% to < 50%	___	52	20
	> 50%	___	53	30

Code Checked from Section A or B: |_2_|_2_|

Total Points Factor 2: |_2_|_0_|

NPDES Permit Rating Work Sheet

NPDES No.: |_V_|_A_|_0_|_0_|_5_|_7_|_5_|_7_|_6_|

FACTOR 3: Conventional Pollutants

(only when limited by the permit)

A. Oxygen Demanding Pollutant: (check one) ___ BOD ___ COD ___ Other:_____

Permit Limits: (check one)		*Code*	*Points*
___	< 100 lbs/day	1	0
___	100 to 1000 lbs/day	2	5
___	>1000 to 3000 lbs/day	3	15
___	>3000 lbs/day	4	20

Code Checked: |___|

Points Scored: |_N_|_A_|

B. Total Suspended Solids (TSS)

Permit Limits: (check one)		*Code*	*Points*
___	< 100 lbs/day	1	0
_X_	100 to 1000 lbs/day	2	5
___	>1000 to 5000 lbs/day	3	15
___	>5000 lbs/day	4	20

Code Checked: |_2__|

Points Scored: |___|_5_|

C. Nitrogen Pollutant: (check one) ___ Ammonia ___ Other: _____

Permit Limits: (check one)		*Code*	*Points*
___	< 300 lbs/day	1	0
___	300 to 1000 lbs/day	2	5
___	>1000 to 3000 lbs/day	3	15
___	>3000 lbs/day	4	20

Code Checked: |___|

Points Scored: |_N_|_A_|

Total Points Factor 3:|___|_5__|

FACTOR 4: Public Health Impact

Is there a public drinking water supply located within 50 miles downstream of the effluent discharge (this includes any body of water to which the receiving water is a tributary)? A public drinking water supply may include infiltration galleries, or other methods of conveyance that ultimately get water from the above referenced supply.

___ YES (if yes, check toxicity potential number below)
_X_ NO (if no, go to Factor 5)

Determine the human health toxicity potential from Appendix A. Use the same SIC code and subcategory reference as in Factor 1. (Be sure to use the human health toxicity group column -- check one below)

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
___ No process waste streams	0	0	___ 3.	3	0	___ 7.	7	15
___ 1.	1	0	___ 4.	4	0	___ 8.	8	20
___ 2.	2	0	___ 5.	5	5	___ 9.	9	25
			___ 6.	6	10	___ 10.	10	30

Code Number Checked: |___|___|

Total Points Factor 4: |___|_0__|

NPDES Permit Rating Work Sheet

NPDES No.: |_V_|_A_|_0_|_0_|_5_|_7_|_5_|_7_|_6_|

FACTOR 5: Water Quality Factors

A. Is (or will) one or more of the effluent discharge limits based on water quality factors of the receiving stream (rather than technology-based federal effluent guidelines, or technology-based state effluent guidelines), or has a wasteload allocation been assigned to the discharge?

	Code	Points
___ Yes	1	10
_X_ No	2	0

B. Is the receiving water in compliance with applicable water quality standards for pollutants that are water quality limited in the permit?

	Code	Points
_X_ Yes	1	0
___ No	2	5

C. Does the effluent discharged from this facility exhibit the reasonable potential to violate water quality standards due to whole effluent toxicity?

	Code	Points
___ Yes	1	10
_X_ No	2	0

Code Number Checked: A |_2__| B |_1__| C |_2__|

Points Factor 5: A |___|_0_| + B |_0_| + C |___|_0__| = |___|_0__| **TOTAL**

FACTOR 6: Proximity to Near Coastal Waters

A. Base Score: Enter flow code here (from Factor 2): |_2__|_2__| *Enter the multiplication factor that corresponds to the flow code:* |___|___|

Check appropriate facility HPRI Code (from PCS):

HPRI #	*Code*	*HPRI Score*
___ 1	1	20
___ 2	2	0
_X_ 3	3	30
___ 4	4	0
___ 5	5	20

Flow Code	Multiplication Factor
11, 31, or 41	0.00
12, 32, or 42	0.05
13, 33, or 43	0.10
14 or 34	0.15
21 or 51	0.10
22 or 52	0.30
23 or 53	0.60
24	1.00

HPRI code checked: |_3__|

Base Score: (HPRI Score) __30_____ **x (Multiplication Factor)** __0.10_____ = _____3_____ **(TOTAL POINTS)**

B. Additional Points--NEP Program
For a facility that has an HPRI code of 3, does the facility discharge to one of the estuaries enrolled in the National Estuary Protection (NEP) program (see instructions) or the Chesapeake Bay?

	Code	Points
_X_ Yes	1	10
___ No	2	0

C. Additional Points--Great Lakes Area of Concern
for a facility that has an HPRI code of 5, does the facility discharge any of the pollutants of concern into one of the Great Lakes' 31 areas of concern (see instructions)

	Code	Points
___ Yes	1	10
_X_ No	2	0

Code Number Checked: A |_3__| B |_1__| C |_2__|

Points Factor 6: A |___|_3__| + B |_10__|___| + C |___|_0__| = |____13___| **TOTAL**

NPDES Permit Rating Work Sheet

NPDES NO: |_V_|_A_|_0_|_0_|_5_|_7_|_5_|_7_|_6_|

SCORE SUMMARY

Factor	Description	Total Points
1	Toxic Pollutant Potential	5
2	Flow/Stream flow Volume	20
3	Conventional Pollutants	5
4	Public Health Impacts	0
5	Water Quality Factors	0
6	Proximity to Near Coastal Waters	13
	TOTAL (Factors 1-6)	**43**

S1. Is the total score equal to or greater than 80? ___ Yes (Facility is a major) _X__ No

S2. If the answer to the above question is no, would you like this facility to be discretionary major?
__X_ No
___ Yes (add 500 points to the above score and provide reason below:

Reason:

_____

_____

_____

_____

_____

NEW SCORE: __43_____
OLD SCORE: ___43_____

Debra L. Thompson

_____
Permit Reviewer's Name

(757) 518-2162
Phone Number

July 6, 2011
Date

Revised 2/2003

State "Transmittal Checklist" to Assist in Targeting Municipal and Industrial Individual NPDES Draft Permits for Review

Part I. State Draft Permit Submission Checklist

In accordance with the MOA established between the Commonwealth of Virginia and the United States Environmental Protection Agency, Region III, the Commonwealth submits the following draft National Pollutant Discharge Elimination System (NPDES) permit for Agency review and concurrence.

Facility Name: Dominion Terminal Associates, LLP

NPDES Permit Number: VA0057576

Permit Writer Name: Debra L. Thompson

Date: July 6, 2011

Major [ ] **Minor** [X] **Industrial** X] **Municipal** [ ]

I.A. Draft Permit Package Submittal Includes:	**Yes**	**No**	**N/A**
1. Permit Application?	X		
2. Complete Draft Permit (for renewal or first time permit – entire permit, including boilerplate information)?	X		
3. Copy of Public Notice?		X	
4. Complete Fact Sheet?	X		
5. A Priority Pollutant Screening to determine parameters of concern?	X		
6. A Reasonable Potential analysis showing calculated WQBELs?		X	
7. Dissolved Oxygen calculations?			X
8. Whole Effluent Toxicity Test summary and analysis?	X		
9. Permit Rating Sheet for new or modified industrial facilities?	X		

I.B. Permit/Facility Characteristics	**Yes**	**No**	**N/A**
1. Is this a new, or currently unpermitted facility?		X	
2. Are all permissible outfalls (including combined sewer overflow points, non-process water and storm water) from the facility properly identified and authorized in the permit?	X		
3. Does the fact sheet **or** permit contain a description of the wastewater treatment process?	X		

I.B. Permit/Facility Characteristics – cont.	Yes	No	N/A
4. Does the review of PCS/DMR data for at least the last 3 years indicate significant non-compliance with the existing permit?		X	
5. Has there been any change in streamflow characteristics since the last permit was developed?		X	
6. Does the permit allow the discharge of new or increased loadings of any pollutants?		X	
7. Does the fact sheet **or** permit provide a description of the receiving water body(s) to which the facility discharges, including information on low/critical flow conditions and designated/existing uses?	X		
8. Does the facility discharge to a 303(d) listed water?	X		
a. Has a TMDL been developed and approved by EPA for the impaired water?		X	
b. Does the record indicate that the TMDL development is on the State priority list and will most likely be developed within the life of the permit?		X	
c. Does the facility discharge a pollutant of concern identified in the TMDL or 303(d) listed water?		X	
9. Have any limits been removed, or are any limits less stringent, than those in the current permit?		X	
10. Does the permit authorize discharges of storm water?	X		
11. Has the facility substantially enlarged or altered its operation or substantially increased its flow or production?		X	
12. Are there any production-based, technology-based effluent limits in the permit?		X	
13. Do any water quality-based effluent limit calculations differ from the State's standard policies or procedures?		X	
14. Are any WQBELs based on an interpretation of narrative criteria?			X
15. Does the permit incorporate any variances or other exceptions to the State's standards or regulations?		X	
16. Does the permit contain a compliance schedule for any limit or condition?		X	
17. Is there a potential impact to endangered/threatened species or their habitat by the facility's discharge(s)?		X	
18. Have impacts from the discharge(s) at downstream potable water supplies been evaluated?			X
19. Is there any indication that there is significant public interest in the permit action proposed for this facility?		X	
20. Have previous permit, application, and fact sheet been examined?	X		

Part II. NPDES Draft Permit Checklist

Region III NPDES Permit Quality Checklist – for POTWs

(To be completed and included in the record only for POTWs)

II.A. Permit Cover Page/Administration	Yes	No	N/A
1. Does the fact sheet or permit describe the physical location of the facility, including latitude and longitude (not necessarily on permit cover page)?			
2. Does the permit contain specific authorization-to-discharge information (from where to where, by whom)?			

II.B. Effluent Limits – General Elements	Yes	No	N/A
1. Does the fact sheet describe the basis of final limits in the permit (e.g., that a comparison of technology and water quality-based limits was performed, and the most stringent limit selected)?			
2. Does the fact sheet discuss whether "antibacksliding" provisions were met for any limits that are less stringent than those in the previous NPDES permit?			

II.C. Technology-Based Effluent Limits (POTWs)	Yes	No	N/A
1. Does the permit contain numeric limits for ALL of the following: BOD (or alternative, e.g., CBOD, COD, TOC), TSS, and pH?			
2. Does the permit require at least 85% removal for BOD (or BOD alternative) and TSS (or 65% for equivalent to secondary) consistent with 40 CFR Part 133?			
a. If no, does the record indicate that application of WQBELs, or some other means, results in more stringent requirements than 85% removal or that an exception consistent with 40 CFR 133.103 has been approved?			
3. Are technology-based permit limits expressed in the appropriate units of measure (e.g., concentration, mass, SU)?			
4. Are permit limits for BOD and TSS expressed in terms of both long term (e.g., average monthly) and short term (e.g., average weekly) limits?			
5. Are any concentration limitations in the permit less stringent than the secondary treatment requirements (30 mg/l BOD5 and TSS for a 30-day average and 45 mg/l BOD5 and TSS for a 7-day average)?			
a. If yes, does the record provide a justification (e.g., waste stabilization pond, trickling filter, etc.) for the alternate limitations?			

II.D. Water Quality-Based Effluent Limits	Yes	No	N/A
1. Does the permit include appropriate limitations consistent with 40 CFR 122.44(d) covering State narrative and numeric criteria for water quality?			
2. Does the fact sheet indicate that any WQBELs were derived from a completed and EPA approved TMDL?			
II.D. Water Quality-Based Effluent Limits – cont.	**Yes**	**No**	**N/A**
3. Does the fact sheet provide effluent characteristics for each outfall?			

4. Does the fact sheet document that a "reasonable potential" evaluation was performed?			
a. If yes, does the fact sheet indicate that the "reasonable potential" evaluation was performed in accordance with the State's approved procedures?			
b. Does the fact sheet describe the basis for allowing or disallowing in-stream dilution or a mixing zone?			
c. Does the fact sheet present WLA calculation procedures for all pollutants that were found to have "reasonable potential"?			
d. Does the fact sheet indicate that the "reasonable potential" and WLA calculations accounted for contributions from upstream sources (i.e., do calculations include ambient/background concentrations)?			
e. Does the permit contain numeric effluent limits for all pollutants for which "reasonable potential" was determined?			
5. Are all final WQBELs in the permit consistent with the justification and/or documentation provided in the fact sheet?			
6. For all final WQBELs, are BOTH long-term AND short-term effluent limits established?			
7. Are WQBELs expressed in the permit using appropriate units of measure (e.g., mass, concentration)?			
8. Does the record indicate that an "antidegradation" review was performed in accordance with the State's approved antidegradation policy?			

II.E. Monitoring and Reporting Requirements	Yes	No	N/A
1. Does the permit require at least annual monitoring for all limited parameters and other monitoring as required by State and Federal regulations?			
a. If no, does the fact sheet indicate that the facility applied for and was granted a monitoring waiver, AND, does the permit specifically incorporate this waiver?			
2. Does the permit identify the physical location where monitoring is to be performed for each outfall?			
3. Does the permit require at least annual influent monitoring for BOD (or BOD alternative) and TSS to assess compliance with applicable percent removal requirements?			
4. Does the permit require testing for Whole Effluent Toxicity?			

II.F. Special Conditions	Yes	No	N/A
1. Does the permit include appropriate biosolids use/disposal requirements?			
2. Does the permit include appropriate storm water program requirements?			

II.F. Special Conditions – cont.	Yes	No	N/A
3. If the permit contains compliance schedule(s), are they consistent with statutory and regulatory deadlines and requirements?			
4. Are other special conditions (e.g., ambient sampling, mixing studies, TIE/TRE, BMPs, special studies) consistent with CWA and NPDES regulations?			

5. Does the permit allow/authorize discharge of sanitary sewage from points other than the POTW outfall(s) or CSO outfalls [i.e., Sanitary Sewer Overflows (SSOs) or treatment plant bypasses]?			
6. Does the permit authorize discharges from Combined Sewer Overflows (CSOs)?			
a. Does the permit require implementation of the "Nine Minimum Controls"?			
b. Does the permit require development and implementation of a "Long Term Control Plan"?			
c. Does the permit require monitoring and reporting for CSO events?			
7. Does the permit include appropriate Pretreatment Program requirements?			

II.G. Standard Conditions	Yes	No	N/A
1. Does the **permit** contain all 40 CFR 122.41 standard conditions or the State equivalent (or more stringent) conditions?			

List of Standard Conditions – 40 CFR 122.41

Duty to comply
Duty to reapply
Need to halt or reduce activity not a defense
Duty to mitigate
Proper O & M
Permit actions
Property rights
Duty to provide information
Inspections and entry
Monitoring and records
Signatory requirement
Bypass
Upset
Reporting Requirements
Planned change
Anticipated noncompliance
Transfers
Monitoring reports
Compliance schedules
24-Hour reporting
Other non-compliance

2. Does the permit contain the additional standard condition (or the State equivalent or more stringent conditions) for POTWs regarding notification of new introduction of pollutants and new industrial users [40 CFR 122.42(b)]?			

Part II. NPDES Draft Permit Checklist

Region III NPDES Permit Quality Review Checklist – For Non-Municipals

(To be completed and included in the record for all non-POTWs)

II.A. Permit Cover Page/Administration	Yes	No	N/A
1. Does the fact sheet **or** permit describe the physical location of the facility, including latitude and longitude (not necessarily on permit cover page)?	X		
2. Does the permit contain specific authorization-to-discharge information (from where to where, by whom)?	X		

II.B. Effluent Limits – General Elements	Yes	No	N/A
1. Does the fact sheet describe the basis of final limits in the permit (e.g., that a comparison of technology and water quality-based limits was performed, and the most stringent limit selected)?	X		
2. Does the fact sheet discuss whether "antibacksliding" provisions were met for any limits that are less stringent than those in the previous NPDES permit?			X

II.C. Technology-Based Effluent Limits (Effluent Guidelines & BPJ)	Yes	No	N/A
1. Is the facility subject to a national effluent limitations guideline (ELG)?		X	
a. If yes, does the record adequately document the categorization process, including an evaluation of whether the facility is a new source or an existing source?			X
b. If no, does the record indicate that a technology-based analysis based on Best Professional Judgement (BPJ) was used for all pollutants of concern discharged at treatable concentrations?	X		
2. For all limits developed based on BPJ, does the record indicate that the limits are consistent with the criteria established at 40 CFR 125.3(d)?	X		
3. Does the fact sheet adequately document the calculations used to develop both ELG and /or BPJ technology-based effluent limits?	X		
4. For all limits that are based on production or flow, does the record indicate that the calculations are based on a "reasonable measure of ACTUAL production" for the facility (not design)?			X
5. Does the permit contain "tiered" limits that reflect projected increases in production or flow?		X	
a. If yes, does the permit require the facility to notify the permitting authority when alternate levels of production or flow are attained?			
6. Are technology-based permit limits expressed in appropriate units of measure (e.g., concentration, mass, SU)?	X		

II.C. Technology-Based Effluent Limits (Effluent Guidelines & BPJ) – cont.	Yes	No	N/A
7. Are all technology-based limits expressed in terms of both maximum daily, weekly average, and/or monthly average limits?		X	
8. Are any final limits less stringent than required by applicable effluent limitations guidelines or BPJ?		X	

II.D. Water Quality-Based Effluent Limits	Yes	No	N/A
1. Does the permit include appropriate limitations consistent with 40 CFR 122.44(d) covering State narrative and numeric criteria for water quality?	X		
2. Does the record indicate that any WQBELs were derived from a completed and EPA approved TMDL?		X	
3. Does the fact sheet provide effluent characteristics for each outfall?	X		
4. Does the fact sheet document that a "reasonable potential" evaluation was performed?		X	
a. If yes, does the fact sheet indicate that the "reasonable potential" evaluation was performed in accordance with the State's approved procedures?			X
b. Does the fact sheet describe the basis for allowing or disallowing in-stream dilution or a mixing zone?			X
c. Does the fact sheet present WLA calculation procedures for all pollutants that were found to have "reasonable potential"?			X
d. Does the fact sheet indicate that the "reasonable potential" and WLA calculations accounted for contributions from upstream sources (i.e., do calculations include ambient/background concentrations where data are available)?			X
e. Does the permit contain numeric effluent limits for all pollutants for which "reasonable potential" was determined?			X
5. Are all final WQBELs in the permit consistent with the justification and/or documentation provided in the fact sheet?	X		
6. For all final WQBELs, are BOTH long-term (e.g., average monthly) AND short-term (e.g., maximum daily, weekly average, instantaneous) effluent limits established?		X	
7. Are WQBELs expressed in the permit using appropriate units of measure (e.g., mass, concentration)?	X		
8. Does the fact sheet indicate that an "antidegradation" review was performed in accordance with the State's approved antidegradation policy?	X		

II.E. Monitoring and Reporting Requirements	Yes	No	N/A
1. Does the permit require at least annual monitoring for all limited parameters?	X		
a. If no, does the fact sheet indicate that the facility applied for and was granted a monitoring waiver, AND, does the permit specifically incorporate this waiver?			
2. Does the permit identify the physical location where monitoring is to be performed for each outfall?	X		
3. Does the permit require testing for Whole Effluent Toxicity in accordance with the State's standard practices?	X		

II.F. Special Conditions	Yes	No	N/A
1. Does the permit require development and implementation of a Best Management Practices (BMP) plan or site-specific BMPs?		X	
a. If yes, does the permit adequately incorporate and require compliance with the BMPs?			X
2. If the permit contains compliance schedule(s), are they consistent with statutory and regulatory deadlines and requirements?			X
3. Are other special conditions (e.g., ambient sampling, mixing studies, TIE/TRE, BMPs, special studies) consistent with CWA and NPDES regulations?	X		

II.G. Standard Conditions	Yes	No	N/A
1. Does the **permit** contain all 40 CFR 122.41 standard conditions or the State equivalent (or more stringent) conditions?	X		

List of Standard Conditions – 40 CFR 122.41

Duty to comply
Duty to reapply
Need to halt or reduce activity not a defense
Duty to mitigate
Proper O & M
Permit actions

Property rights
Duty to provide information
Inspections and entry
Monitoring and records
Signatory requirement
Bypass
Upset

Reporting Requirements
Planned change
Anticipated noncompliance
Transfers
Monitoring reports
Compliance schedules
24-Hour reporting
Other non-compliance

2. Does the permit contain the additional standard condition (or the State equivalent or more stringent conditions) for existing non-municipal dischargers regarding pollutant notification levels [40 CFR 122.42(a)]?	X		

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Part III. Signature Page

Based on a review of the data and other information submitted by the permit applicant, and the draft permit and other administrative records generated by the Department/Division and/or made available to the Department/Division, the information provided on this checklist is accurate and complete, to the best of my knowledge.

Name	Debra L. Thompson
Title	Environmental Engineer Senior
Signature	Debra L. Thompson
Date	July 6, 2011

ATTACHMENT 14

CHRONOLOGY SHEET

VPDES Individual Permit

VPDES Individual Permit

Permit No: VA0057576 | User Manual | Application / Active / History | Facility: Dominion Terminal Associates LLP

Owner: DOMINION TERMINAL ASSOCIATES | Permit Writer: Thompson Debra L

General Information | Events | Special Conditions--Permit | Outfall Information/Limits | Billing Info | Land Application | GIS Information

Events

Code	Description	Date Anticipated	Date Completed	Comments
PREVELED	Old expiration date		12/04/2011	
DTLP	Reissuance letter mailed		12/04/2010	
APRPHOCAL1	First Application Reminder Phone Call		02/04/2011	
APRPHOCAL2	Second Application Reminder Phone Call		04/04/2011	
APDU	Reissuance application due		05/08/2011	
APRD	Application received at RO 1st time		04/29/2011	
ROAPCP	Application Administratively complete		05/11/2011	vdh-drinking water comments
APCOMLET	App complete letter sent to permittee		05/17/2011	
DT1VDH	App sent to State Agencies (list in comme		05/03/2011	VDH,DSS,VMRC
DTMIF	App sent to Fed Agencies (list in commen			
DTC1VDH	Comments rec'vd from State Agencies on		05/11/2011	
APCP	Application totally / technically complete		05/11/2011	
DTSITE	Site visit		07/13/2011	
DTSITERP	Site inspection report		07/14/2011	
DTDDP	Draft permit developed		07/22/2011	
DTREV	Draft reviewed			
DT1PLAN	FS/SOB draft permit sent to planning			
DTPLAN	Planning concurrence on draft permit			
DTPKVDH	FS/SOB draft permit sent to State Agencies			
DTOWN1	FS/SOB draft permit sent to owner			
DTOBJ1	First time comments received from owne			
DTOWN2	FS/SOB draft permit sent to owner 2nd tim			
DTOWNC2	Second time comments received from ow			
DTOWNC4	Owner concurrence of draft permit			
DTPNAUT	Public notice authorization received from			
DTNEWS	Public notice letter sent to newspaper			
PN2CO	PN sent to CO for mailing list web site dist			
LGMPERM	Local gov't notification			
PNOT	Date of Public Notice			
DTSIGN	Date Permit signed			
DTEFF	Permit effective			
DTDMRDUE	First DMR due		02/10/2012	
FLED	Permit expires		12/04/2016	
MISC	Miscellaneous			
MISC	Miscellaneous		04/03/2011	planning for tier determination

ATTACHMENT 15

OTHER PERTINENT CORRESPONDENCE/INFORMATION